CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Oil pipe line, Pecos, Texas, United Producers Pipe Line Co. plan, $12,500,000.

Telephone facilities, Missouri, Southwestern Bell Telephone Co. plans improvements, $8,000,000.

Waterworks, Waco, Texas, Water Bd. making plans, $3,500,000.

Office building, Newark, N. J., Branford Building Co. having plans prepared, $3,000,000.

Theatre, San Antonio, Tex., Interstate Amusement Co. having plans prepared, $2,500,000.

Office and store, Chicago, Ill., J. L. Simpson having plans prepared, $2,500,000.

High School, New York, N. Y., Bd. Educ. had plans prepared, $2,050,000.

Hotel, Omaha, Neb., Kitchen Hotel Co. having plans prepared, $2,000,000.

High Schools, Oklahoma City, Okla., Bd. Educ. having plans prepared, $2,000,000.

Boulevards, Tulsa, Okla., making preliminary plans, bond election soon, $2,000,000.

Apartments, Brooklyn, N. Y., Jonas Constr. Co. will build, $2,000,000.

Educational buildings, Knoxville, Tenn., State Bd. Educ. plans expending $2,000,000.

Hotel, New Orleans, La., Chicago Syndicate making plans, $2,000,000.

Distributing plant, Richmond, Calif., Petroleum Securities Co. plans, $2,000,000.

Trunk sewer, New Jersey, Towns of Audubon, Haddon Heights, Barrington, etc., plan, $1,600,000.

High School, Brighton, Mass., City of Boston having plans prepared, $1,539,000.

Apartment Hotel, Chicago, Ill., Elm Street Building Corp. having plans prepared, $1,500,000.

Bridge, New Jersey, State Hy. Comn. making plans, $1,500,000.

Hotel, Beaumont, Tex., E. G. Edson having plans prepared, $1,500,000.

Apartment, New York, N. Y., Thirty Three Riverside Drive, Inc., will build, $1,150,000.

Roads, Wheeler, Tex., bond election Dec. 3, $1,000,000.

Apartment, St. Louis, Mo., H. M. Edmunds will build, $1,000,000.

Factory, Cloquet, Minn., Northwestern Paper Co., plans, $1,000,000.

Bridge, Jefferson Co., Texas, Bond election Dec. 3 (tentative), $1,000,000.

Schools, Fairmont, W. Va., Bd. Educ. soon takes bids, $1,000,000.

Highway, Ontario, Dept. Provincial Highways, Toronto, making plans, $1,000,000.

Pumping station, Chicago, Ill., Bd. Pub. Wks. plans, $1,000,000.

Bids Received

Superstructure, Wash., D. C., Executive Officer, Arlington Memorial Bridge Comn., Nov. 7, from Hunkin-Conkey Constr. Co., Cleveland, O., $1,576,686.

Contracts Awarded

Dam, Abyssinia, Africa, Abyssinia Government, to J. G. White Engr. Corp., New York City. Engrs. est. $20,000,000.

Apartment hotel, Toronto, Ont., Ramsey, Stewart & Co. general contract to Yolles & Rotenberg, excavation to Lioni & Co. Archts. est. $2,000,000.

Apartment, New York, N. Y., Eton Holding Corp. to H. S. and S. O. Crystal. Archts. est. $1,300,000.

Out patient department and dormitory, New York, N. Y., Bd. Trustees, Bellevue and Allied Hospital, general contract to Kenny Bros., Inc., $1,239,000.

Studio, Burbank, Calif., Victory Studio, Inc., Hollywood, to J. H. Woodworth & Sons, Pasadena, $1,000,000.

Arena, Newark, N. J., Newark Garden Corp., New York City, to M. M. Waldron, Inc. Archts. est. $1,000,000.

Soap factory, Chicago, Ill., J. S. Kirk & Co. to Avery Brundage Co. Archts. est. $1,000,000.

News of the Week

Waterworks

Proposed Work

Miss., Ripley—Making preliminary plans complete waterworks and distribution mains, etc. $50,000. H. A. Mentz, Hammond, La., engr.

Mich., Ann Arbor—Making plans extending waterworks, incl. additional c.i. mains, enlarging rein.-con. reservoir, and additional wells. $500,000. Holland, Ackerman & Holland, Ann Arbor, consult. engrs.

Mich., Detroit—Plymouth Road Development Corp. making plans 12,914 ft. 6- to 12-in. c.i. mains in Grayton Subdivision, Redford Twp., Wayne Co. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., engrs.

Mich., Royal Oak (Ind. br. Detroit) — City, R. J. Whitney, mgr., made plans foundation for 1½ m.g. steel storage tank, incl. mass concrete for piers for tank, in connection with 48 in. water supply main connecting with Detroit water supply, Woodward Ave. and Ten Mile Rd. $15,000. Noted Oct. 27.

Ill., Chicago — Bd. Pub. Wks., R. W. Wolfe, comr., plans 160 m.g.p.d. pumping station to tap Wilson Ave. water tunnel, incl. four 40 m.g. capacity pumps, etc. $1,000,000. L. D. Gayton, City Hall, engr.

Mo., Marceline — Voted $75,000 bonds, improving waterworks. Black & Veatch, 700 Mutual Bldg., Kansas City, engrs.

Ark., DeWitt—Arkansas Power & Light Co., Pine Bluff, takes bids about Jan. 10, 42,000 ft. 2- to 12-in. mains, necessary fire plugs, valves and boxes, etc., in various streets. $60,000. Private plans.

Tex., Menard — City, R. M. Heyman, mayor, soon takes bids waterworks, incl. moving water plant to new site, raising standpipe, 1 additional purification plant, 2 settling basins and new mains in various streets. $30,000 bonds voted for same. Koch & Fowler, 801 Central Bank Bldg., Dallas, engrs.

Tex., Waco — Water Bd., c/o C. Shear, chn., making plans concrete, steel and earth dam across Bosque River for water supply and irrigation, etc. $3,500,000. Floyd & Lockridge, 519 Wilson Bldg., Dallas, consult. engrs. Noted Sept. 30.

Okla., Atwood—Made preliminary plans new waterworks. $15,000. C. Jones, mayor. Engineer not selected.

Okla., Guthrie—Plans improving waterworks. $50,000. G. W. Hawley, Oklahoma City, engr.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Okla., Henryetta — Making preliminary plans extending 15,500 ft. 4- to 8-in. c.i. mains in various streets. $20,000. C. L. Wilson, Weatherford, engr.

Okla., Mangum — Voted $75,000 bonds, extending waterworks. E. W. Gantt & Co., 1116 West Main St., Oklahoma City, engrs. Noted Oct. 13.

Okla., Tahlequah — Making plans new 500,000 g.p.m. mechanical filter plant, 2 motor driven centrifugal pumps, etc. $40,000. C. R. Morgan, Muskogee, engr. Noted June 9.

Bids Desired

N. Y., Long Island City—Nov. 22, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Nassau Blvd., 25th, 76th, 50th and 84th Aves., 46th, 35th, Cody, 73rd, 84th, 87th Sts., etc., here.

Md., Hagerstown — Nov. 22, by Mayor and City Council, at office Bd. Water Comrs., City Hall, 31,433 ft. 24 in. c.i. pipe line from Potomac River Filtration Plant to here, Contr. 5, Potomac River Project. W. P. Lane, pres. Bd. Water Comrs.

N. C., Dunn — Nov. 21, by City, G. L. Canady, mayor, 2 additional coagulating basin units, filter sand, laterals, manifold, piping and filter control equipment for two filter tubs in the existing plant, two motor-driven centrifugal pumps, etc. W. C. Olsen, Raleigh B. & L. Bldg., Raleigh, engr.

Ind., Porter — Nov. 22, by Bd. Town Trustee, Town Hall, complete waterworks, incl. mains, wells, pumps and power machinery for use and benefit all lots and public places lying within Dune Forest. G. W. Dabbert, town clk.

Ark., Camden—See "Contracts Awarded."

Okla., Hooker—Nov. 21, by E. J. Barr, city clk., drilling 2 deep wells, two deep well pumps and motors, etc. $17,000. Private plans.

Contracts Awarded

Mass., Marshfield—For 47,000 lin.ft. c.i. mains in various streets, also furnishing gate valves and hydrants, to Bruno & Petitti, 18 Tremont St., Boston, $32,000.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in 36th, 41st, 56th, Myrtle and Woodbine Aves., etc., to S. Gallucci & Sons, 33 Railroad Ave., Corona, $10,309. Noted Nov. 3.

N. Y., Wingdale—Dept. Mental Hygiene, Capitol, Albany, repairing filter plant at Harlem Valley Hospital, here, to Immick Co., State St., Meriden, Conn., $18,131. Noted Oct. 20.

Ind., Osgood — G. A. Triplett, secy. Waterworks System, 22,870 ft. 2- to 8-in. c.i. mains, 12,000 lb. c.i. specials, forty 4 in. hydrants, two 2 in., twelve 4 in. and seven 6 in. gate valves, one 75,000 gal. elevated tank, filter plant and low service pump, to G. L. Dunbar, 3710 Wyoming St., St. Louis, Mo., $65,134. Noted Oct. 27.

Michigan—D. W. Beauvais, clk., Ira Twp. Bd., Anchorville, pump house and installing equipment for new water supply, distributing water from intake in Lake St. Clair, to R. E. Townsend Corp., 415 1st Natl. Bank Bldg., Ann Arbor, $23,000. Noted Nov. 3.

Mich., Detroit—Dept. Water Supply, 1,800 tons 12 in. Class 150 DeLavaud pipes 12 ft. lengths, f.o.b. Detroit, to Natl. Cast Iron

See proposal advertising on page 124

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Eliminating Repairs and Maintenance Costs

TRENTON WATER WORKS, Trenton, N. J., has been using Leadite for making joints in c. i. bell and spigot water mains for a great many years with entire satisfaction.

They have laid nearly 75 miles of c. i. pipe of various sizes with Leadite joints.

Trenton has very good paved streets and they have never had to dig up a Leadite joint for repairs during all the time they have been using Leadite. They consider this excellent performance for Leadite joints.

They find the use of Leadite has reduced to a minimum repairs and maintenance costs.

Trenton Water Works has always found Leadite joints efficient and economical.

They keep a check on their distribution system by water waste surveys.

During the severe winter of 1917-18 Trenton Water Works had over 2000 frozen services. Many of these services were connected to mains laid with Leadite joints. They had no difficulty in thawing, with electrical apparatus, services connected with mains which were laid with Leadite joints.

Mr. Alvin Bugbee is Superintendent of the Trenton Water Works.

Specify and use **LEADITE** It saves at least 75%

Be sure it is **LEADITE** and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

Pipe Co., Tarrant City, Birmingham, Ala., at $1.2487 per ft.; and 1,800 tons 12 in. Class 150 Monocast pipe 16 ft. lengths, f.o.b. Detroit, to Amer. Cast Iron Pipe Co., Acipco St., Birmingham, Ala., $1.25 per ft.

Mich., Lochmoor — P. Allard, village clk., 12,000 lin.ft. 6 and 8 in. c.i. mains, valves, etc., to L. J. Clancy, 3137 Canton Ave., Detroit. Engrs. est. $30,000.

Ill., Chicago—Bd. Local Impvts., Room 207, City Hall, water service pipes in portions Fullerton and South Keating Aves., to Tagliers Plumbing Co., 5304 Dakin St.; portions Hermosa Ave., South Green and South Wood Sts., to Washington Plumbing & Heating Co., 461 North Halsted St.; portions South Oakley Ave., to G. D. Hardin, 3139 Indiana Ave.; portions South Ridgeway, South Homan and South Trumbull Aves., to Walsh & Metzger, 6828 South Chicago Ave.

S. D., Huron—M. F. Walt, city aud., waterworks, to D. W. Moore & Thompson Constr. Co., St. Paul, Minn. $70,000. Engrs. est. $75,000. Noted Oct. 20.

Mo., Ironton—City Clerk, 29,025 4- to 8-in. Class "B" c.i. pipe, 100,000 gal. rein.-con. reservoir, etc., to F. Luth, 4135 Flora Ave., St. Louis, $40,441. Noted Oct. 27.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, rein.-con., steel, stone and brick coagulant house at Howards Bend Waterworks, St. Louis Co., to Murch Bros. Constr. Co., Railway Exch. Bldg., $249,778. Noted Sept. 29.

Ark., Camden—Arkansas Power & Light Co., Pine Bluff, will build 27,500 ft. 2- to 10-in. mains, and 450,000 gal. concrete reservoir, etc., here, by day labor. $60,000. Private plans. Noted Nov. 5.

Ont., Hamilton—Concrete and rein.-con. screen chambers at Beach Pumping Station, to W. L. McFaul, city engr., to be built by day labor. $18,500.

Sewers

Proposed Work

Conn., Thomaston—Making preliminary surveys sewage disposal plant. To exceed $25,000. Buck & Sheldon, 60 Prospect St., Hartford, engrs.

N. Y., Syracuse — Comn. Council plans sewers in Meadowbrook Dr. $55,000. N. F. Pitts, Jr., City Hall, engr.

New Jersey—Towns of Audubon, Haddon Heights, Barrington, Mount Ephraim and Oaklyn, plan trunk sewer to tidewater. $1,600,000. Engineer not selected.

N. J., New Brunswick—City Comn. making plans 8 in. trunk sewer from Central Ave. to Raritan River. $63,500. A. Atkinson, city engr.

Miss., McComb — Bd. Selectmen made plans extending sewerage system to north, east and west sections of city. $30,000. L. W. King, McComb, engr.

Tenn., Knoxville—Plans 6,000 ft. 24 and 30 in. concrete or vitr. clay trunk main from Tennessee River to Vestol Dist. $50,-000. W. W. Mynatt, city engr. This corrects report in Oct. 13 issue.

Minn., New Ulm—W. P. Backer, city clk., making plans complete sewerage system. $400,000-$500,000. F. D. Minium, city engr. C. Foster, 512 Sellwood Bldg., Duluth, consult engr.

Minn., Perham — S. W. Lotterer, village clk., rejected bids Oct. 18, sanitary-storm sewerage system and disposal plant. $80,-000. Will readvertise. Noted Sept. 22.

Mont., Chinook—Made plans sewerage system. $25,000. Burns & McDonnell, 402 Interstate Bldg., Kansas City, Mo., engrs. Noted Oct. 6.

Mont., Havre—Made plans sewers in various streets. $150,000. Burns & McDonnell, 402 Interstate Bldg., Kansas City, Mo., engrs. Noted Oct. 6.

Mo., Chillicothe—Making plans sewers in various streets. To exceed $25,000. C. A. Haskins, 822 Finance Bldg., Kansas City, engr.

Mo., Marshall—Made plans sewage disposal plant and intercepting sewers in various streets. $150,000. Burns & McDonnell, 402 Interstate Bldg., Kansas City, engrs. Noted Sept. 29.

Ark., De Witt—Soon takes bids sewers in Sewer Impvt. Dist. 1. $65,000.

Tex., San Antonio—Making plans 1 mi. probably 36 in. sewers in South Pine St. from Highland Blvd. to city limits. $75,-000. I. Ewig, city engr.

Okla., Anadarko — E. Allen, city clk., rejected bids Nov. 7, 21,600 ft. 6- to 10-in. sewers in various streets. $38,000. Peckham & Riggins, 225½ West Grand St., Oklahoma City, engrs. Noted Nov. 3.

Okla, Cement — Voted $30,000 bonds, new sewerage system. C. Riggins, Anadarko, engr. Noted June 23.

Okla., Mangum — Voted $47,000 bonds, extending sewers in various streets and alleys. E. W. Gantt & Co., 1116 West Main St., Oklahoma City, engrs. Noted July 14.

Okla., Okemah—Made preliminary plans 3 mi. storm sewers in various streets. $35,-000. A. C. McCord, Okemah, engr.

Okla., Seminole—Plans 16,100 ft. 8 and 10 in. lateral sewers in Dist. 5. $29,000. F. B. Reeves, Seminole, engr.

Calif., Chico—I. Morrison, city mgr., making surveys improving and extending sewers in various sections city. To exceed $25,000. R. Witt, city engr.

Calif., Long Beach—Made plans storm drain to serve area north of Anaheim, south to Willow and west to California Sts. $222,400. R. D. Van Alstine, city engr.

Ont., Toronto—York Twp. plans 10,000 ft. 4, 6 and 8 in. vitr. tile sewers in Roselawn Ave. and private drain connections in Bernice Crescent, Jane St., Silverthorn, Folwell and Eileen Aves., Halwood and Scott Rds. $25,000. F. B. Goedike, 40 Jarvis St., engr.

Ont., Toronto—York Twp. making plans 2,000 ft. 33 in. rein.-con. sewer from west end Humber Blvd. $50,000. F. B. Goedike, 40 Jarvis St., engr.

Mexico, Matamoras — City, c/o L. R. Rendon, making plans drainage system. $150,000. City Eng. Dept., engrs. Interested contractors should communicate with owner at once.

Bids Desired

Mass., Boston—Nov. 23, by Dept. Pub. Wks., J. H. Sullivan, comr., sewers in various streets in Roxbury, Hyde Park and Nov. 25 in Dorchester. $25,000.

N. Y., Brooklyn — Nov. 23, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in Kings Highway, Lenox Rd., Flatlands, Lefferts, Hegeman and Conklin Aves., East 94th, East 93rd, Bay 32nd, East 89th, 62nd Sts., etc.

N. Y., Long Island City — Nov. 23, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in 44th (Metz) 32nd (Myrtle), 17th and 18th Aves., 159th (19th), 164th (24th) and 165th Sts.

Md., Baltimore—Nov. 23, by Bd. Awards, sanitary sewers and storm drains in Dist. J-7, Sanitary Contr. 246. M. J. Ruark, 311 Courtland St., sewerage engr.

O., Columbus—Nov. 22, W. H. Duffy, dir. Service, 6,245 ft. 30- to 96-in. rein.-con., vitr., segmental block or monolithic concrete, and 416 ft. 12 and 15 in. vitr. sewers in Denune Ave., Weber Rd. and Bremen St. in Linden. $140,000. R. H. Simpson, City Hall, engr.

Tex., Houston — See "Contracts Awarded."

Calif., Santa Monica—City Clerk taking bids 2,009 ft. 27 in. double medium rein.-con. and 645 ft. 18 in. double strength vitr. sewer, etc., in Bay St. H. B. Carter, city engr.

Contracts Awarded

Mass., Boston—Dept. Pub. Wks., outfall sewer and pumping station, Porter St., East Boston, to C. & R. Constr. Co., 75 Bradeen St., Roslindale, $361,188. Noted Oct. 20.

N. Y., Freeport—Village Sewer Comrs., at office Village Clerk, West Merrick Rd., force main and completing main trunk sewers in various streets, to L. Jacques, 635 Bailey Ave., Elizabeth, N. J., $399,250. Noted Oct. 20.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers Fairbanks and Myers Aves., to J. Gallo, 169-10 State St., Flushing, $2,323 and $7,877 respectively; 111th Ave., to D. A. Gross, 8515 Fulton St., Woodhaven, $6,411; 218th St., to Kennedy & Smith, Bradford St., Flushing, $8,223; and 211th St., to P. J. Greenough, 9919 Guilford Ave., Forest Hills, $1,230. Grand total $26,064. Noted Nov. 3.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, temporary sewer in Marine Way to J. Johnson Sons, 455 Bway., West New Brighton, $18,525. Noted Nov. 3.

N. Y., West Haverstraw—Superintendent Standards & Purchase, Div. Standards & Purchase, Capitol, Albany, sewers and water service connections at New York State Orthopedic Hospital for Children, here, to Dykins & Seaton, Haverstraw, $12,-950. Noted Sept. 29.

N. J., Margate—City Comrs., drain in Granville Ave. section, to Standard Eng. & Constr. Co., 4 South Weymouth St., Ventnor, $40,416.

Md., Baltimore — Bd. Awards, sanitary sewers and storm drains in Dists. 49, G-14, and P-4, Storm Water Contr. 109, for Mayor and City Council, to N. Martell, 4400 Vesta Ave., $55,151. Noted Oct. 27.

Md., Baltimore — Bd. Awards, storm drains in Dists. 50 and G-13, Storm Water Contr. 103, to F. Angelozzi, Park Heights Ave. and Seven Mile Lane, $46,102. Noted Oct. 13.

Ky., Georgetown — Town, 6.5 mi. tile sewers in various streets, to Carey-Reed Constr. Co., Lexington, approximately $52,-000. Noted Aug. 25.

Ky., Louisville—J. B. F. Breed, engr., c/o Sewerage Comn., 1,323 ft. 54 x 57 in. rein.-con. sewers, etc. in Emerson St., to Hoag & Rollins, Louisville, $96,000. Engrs. est. $100,000. Noted Sept. 15.

Mich., Ithaca—Gratiot Co. approximately 2 mi. 27- to 36-in. concrete covered drain east of here, to C. Wilson, St. Louis, $32,400.

Ill., Chicago—Bd. Local Impvts., Room 207, City Hall, tile sewers, brick manholes and catch basins in portions Avondale Ave., to F. A. Coda, 2710 South Wells St., portions Devon and North Neva Aves., to O. Scully, 7658 Laflin Ave., portions Kilbourn Ave. and West 101st St., to Alfonso Scully, 5467 Kamerling Ave., portions Kenneth and South Levergne Aves., to G. Barry, 5924 South Wabash Ave., portions South Lamon and South Laramie Aves., to J. Tiritilli, 732 South Ashland Ave., and portions South La Porte and South Leamington Aves., to D. Cuzzone, 922 South Mansfield Ave.; drains in Bloomingdale, North Spaulding, North Luna, North Lotus and North Linder Aves., to M. De Vito, portions Lovejoy Ave., to A. Santucci, 916 South Ashland Ave., portions Indiana and North Nordica Aves., to M. Murphy, 5854 South Michigan Ave., and portions Emerald and South Union Aves., to Angelo Scully, 4504 Wrightwood Ave. Noted Oct. 20.

Ill., Princeton—Sewage treatment plant and sewers in various streets, to Priester Constr. Co., Kahl Bldg., Davenport, Ia., $52,000. Engrs. est. $55,000. Noted July 14.

Mo., Springfield—City Clerk, 10,140 ft. 30 in. outfall sewer, 1,500 ft. 15 in. pressure line, 1,800 cu.yd. excav., etc., to W. B. Carter, Sioux City, Ia., $64,138; also complete disposal plant, two 50 ft. digestors, two 55 ft. digestors, dosing and grit chambers, etc., to Stigall Constr. Co., Benton and Talmadge Aves., $186,301, all in Southwest Outfall Sewer Dist. Engrs. est. $250,000. Noted Sept. 29.

Tex., Amarillo—City c/o J. D. Bartlett, mgr., 20 mi. 8- to 18-in. bent concrete sewer in Robert Pl., San Jacinto, County Club and Old Town additions, to T. L. Green, Oklahoma City, Okla., $125,566, and 20,000 ft. 21 in. outfall sewer in North Amarillo, to Dodson & Humphreys, Lincoln, Neb., $52,498. Noted Oct. 13.

Tex., Houston—City will lay sewer in Scott St., by force account. $40,000. J. C. McVea, Houston, engr.

Ont., New Toronto — Vitr. tile sewer in 11th St., to Simone Bros., 10 Coleridge St., Toronto, $4,700; and in 19th St., to Lowes Constr. Co., Mimico, $23,685. Engrs. est. $28,000.

Ont., Toronto—Armour Heights Estate, c/o Robins Ltd., Natl. Bldg., sewers in Armour Heights Subdivision, to W. E. Taylor, 22 Falcon St.; and rein.-con. sewage disposal plant, to M. de Jonckheere, 72 Ostend Ave., Swansea. Engrs. est. $50,000.

Waste Disposal

Proposed Work

N. J., Plainfield—Bd. City Council, 515 Watchung Ave., plans incinerator. $150,000. A. W. Vars, 515 Watchung Ave., engr.

Mich., Ferndale—Plans incinerator. $30,-000. C. H. Peterson, city mgr.

Contracts Awarded

Pa., McKeesport—City, general contract 1 story, 80 x 130 ft., brick and steel incinerator, to Blair & Mack, McKeesport. Archts. est. $100,000.

Bridges

Proposed Work

Mass., Salem—Comrs. Essex Co., Court House, making plans rebuilding Kernwood bridge, steel, concrete and wood piles. $125,000-$150,000. R. Evans, Court House, co. engr.

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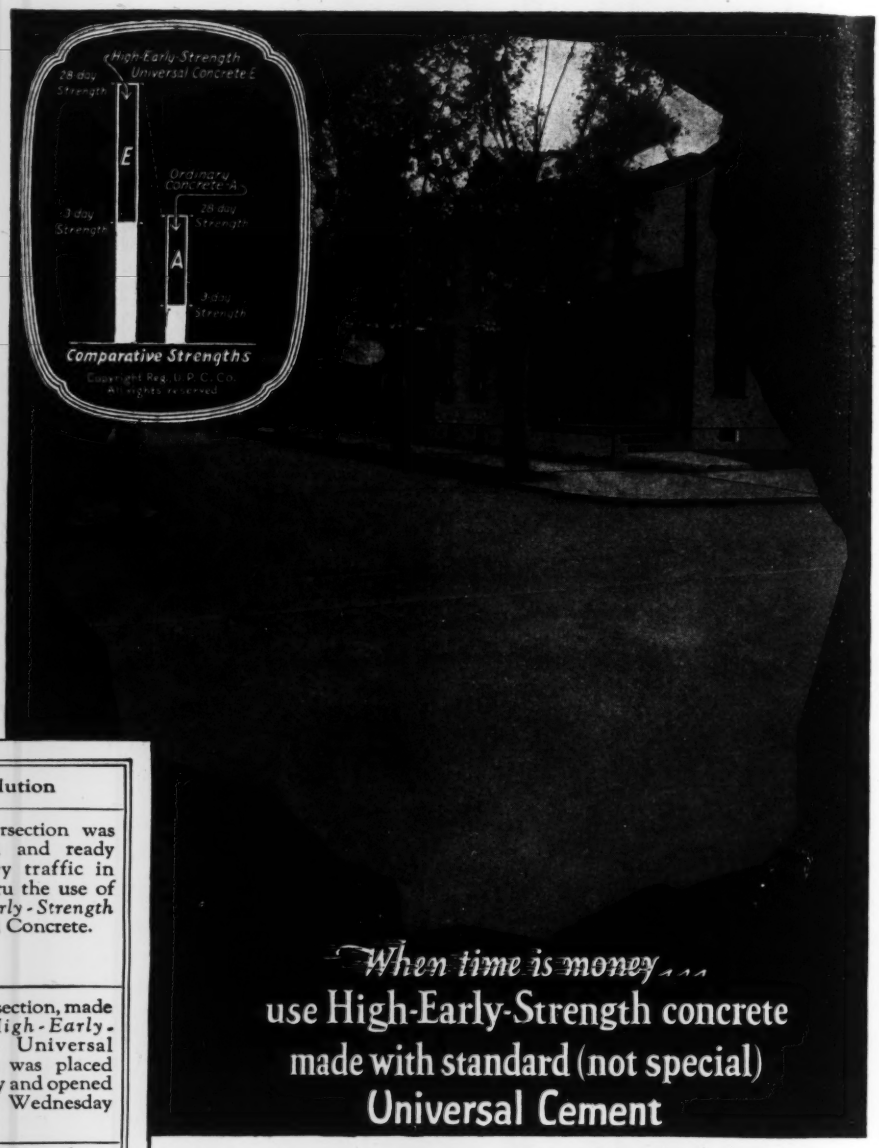

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Conditions	Solution
Church Street and New Street are both important thorofares in Champaign, Ill.— two good reasons for building and re-opening the intersection with minimum delay.	The intersection was concreted and ready for heavy traffic in *3 days* thru the use of *High-Early-Strength* Universal Concrete.
Orders to repave Zane and Madison Streets, Martins Ferry, Ohio, included instructions to re-open the intersection at earliest possible time.	The intersection, made with *High-Early-Strength* Universal Concrete, was placed on Sunday and opened to traffic Wednesday morning.
The grade was to be changed at three intersections in La Grange Park, Ill. Each day's delay in re-opening the streets meant inconvenience to hundreds of motorists and loss of business to merchants.	*High-Early-Strength* Universal Concrete was used. Intersections were placed on Tuesday and opened to traffic Saturday morning.

Illustration above shows intersection of Zane and Madison Streets, Martins Ferry, Ohio, placed with *High-Early-Strength* Universal Concrete. Consolidated Engineering Co., Wheeling, W. Va., contractor; Carl Lash, City Engineer. Standard Universal Cement furnished by Scott Lumber Co., Martins Ferry.

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High-Early-Strength Universal Concrete has a *3-day* strength equal to the *28-day* strength of ordinary concrete. It is made by using fully tested methods and the usual labor, usual equipment, usual materials, and usual Universal cement. Such concrete not only develops a higher *early* strength, but also a higher *ultimate* strength, and is therefore *permanently* better and stronger concrete. (See diagram.) For full details, send in the accompanying coupon.

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Bridges (Continued)

New Jersey—State Hy. Comn., Trenton, retained Harrington, Howard & Ash, engrs., 55 Liberty St., New York City and 1012 Baltimore St., Kansas City, Mo., to design bridge over Hackensack River, on Newark Turnpike. $1,500,000. W. G. Sloan, Trenton, highway engr.

N. J., Perth Amboy—City Comrs., City Hall, rejected bids bridge over Central R.R. tracks, on Fayette St. $100,000. Will re-advertise.

Tenn., Jackson—Madison Co. and State Dept. Hys. & Pub. Wks., Nashville, making surveys bridge, probably concrete and steel, over Forked Deer River, on State Road 5, near here. To exceed $25,000. C. N. Bass, Nashville, comr.

Tenn., Pulaski—State Dept. Highways & Pub. Wks., Nashville, takes bids about Dec. 5, concrete and steel bridge over Richland Creek, Giles Co., near here. To exceed $25,000.

Kan., Emporia—See "Streets and Roads."

Kan., Kinsley—See "Streets and Roads."

Kan., Westmoreland — Pottawatomie Co. making preliminary plans two 60 ft., two 100 ft. and seven 200 ft. truss span bridge with rein.-con. piers, etc. over Blue River, on Federal Aid Project 351-A. L. F. Whearty, Court House, engr.

Texas—Jefferson Co. (Beaumont), B. B. Johnson, judge, election Dec. 3 (tentative), $1,000,000 bonds, rein.-con., timber and steel bridge over Neches River. Noted Oct. 6.

Tex., Ft. Worth—Tarrant Co., c/o S. D. Shannon, judge, making plans 2 concrete bridges over Rush and Village Creeks, on Highway 1. $80,000. D. A. Davis, Ft. Forth, engr.

Tex., Galveston—Galveston Co. making preliminary plans creosoted pile or rein.-con. bridge, 20 ft., across East End. $100,000 (tentative). C. C. Washington, Galveston, co. engr.

Tex., Graham — Young Co., c/o W. F. Parsley, judge, Olney, soon takes new bids 60 ft., 80 ft., and 140 ft. steel span bridge over clear fork, Brazos River. $40,000. Former bids rejected. G. R. Johnson, Graham, engr.

Tex., New Braunfels — City, H. H. Trietsch, mayor, Comal Co., C. Roeper, judge, and Missouri, Kansas & Texas R.R. of Texas, F. Ringer, ch. engr., Dallas, making plans 350 ft. concrete bridge, incl. 80 ft. underpass over Comal Creek, on Highway 46. $87,000. G. G. Wickline, Austin, engr. Noted Aug. 4.

Okla., Allen — Allen Bridge Co. making preliminary plans 5 span 1,300 ft. steel truss bridge on piers over South Canadian River, near here. $300,000. Engineer not selected.

Okla., Calvin — State Hy. Dept., Oklahoma City, making preliminary plans 2 span 230 ft., steel truss bridge on piers, on Cedar St., Hughes Co., near here. $45,000. C. R. Mandigo, Capitol, engr.

Okla., Westville—State Hy. Comn., Oklahoma City, making preliminary plans 1 span, 106 ft. steel truss span bridge over St. Louis & San Francisco R.R. tracks, near here. $37,500. C. R. Mandigo, highway engr.

California—State Hy. Dept., Sacramento, rejected bids Oct. 24, 2 rein.-con. bridges over Prairie and Los Man Creeks, Humboldt Co. Noted Oct. 13.

Bids Desired

Mass., Templeton — Nov. 22, by Dept., Pub. Wks., Boston, 100 ft. steel I-beam bridge, here. W. F. Williams, comr.

N. J., Jersey City—Nov. 28, by State Hy. Comn., Trenton, constructing bridges and other structures of steel, masonry or rein.-con., on Sect. 4-A, known as Highway Route 1 (1927) between Larch and point near Charlotte Aves., Hudson Co., Contr. 9. A. L. Grover, secy.; adv. E. N.-R. Nov. 17.

Ind., Evansville—See "Unclassified."

Mich., Monroe—Taking bids five 278 ft. span rein.-con. bridge with 48 ft. roadway and two 10 ft. sidewalks over Raisin River, on Monroe St. $75,000.

Ia., Logan—Nov. 22, by Auditor Harrison Co., one 80 x 18 ft. pony truss bridge with two 32 x 16 ft. approaches, (alternate steel or wood pile); also one 70 x 16 ft. pony truss on wood pile and 2 steel pile piers. T. A. Cherry, Logan, co. engr.

Kan., Erie—Nov. 30, by L. R. Stanley, clk. Neosho Co., five 20 ft. slab span bridge, U. S. Rd. 73-W, Federal Aid Project 334-C, point 1.5 mi. from Chanute, 33,612 lb. reinforcing, etc. C. P. Donald, Court House, engr.

Kan., Oswego—See "Streets and Roads."

Neb., Newport—Dec. 1, by clerk Rock Co., Bassett, five 70 ft. span pony truss bridge with approach fills, 16 ft. roadway, etc., over Niobrara River north of here, for Keyapaha Co. (Springview) and Rock Co. (Basset). $30,000. R. L. Cochran, State House, Lincoln, engr.

South Dakota — Nov. 23, by State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project)**, constructing 40 ft. viaduct, etc., on F. A. P. 228A Potter Co., and 96 ft. viaduct, on F. A. P. 199B Codington Co.; also graveling approximately 9,000 cu. yd. F. A. P. 130, Custer Co. O. N. Hetle, Pierre, highway engr.

Arizona — Dec. 6, by State Hy. Comn., Phoenix, removing existing bridge and constructing steel bridge and approaches on Schedule 1, Holbrook-St. Johns Highway, Federal Aid Project 78-B, W. G. Lefebvre, state engr.

B. C., Savona — Nov. 28, by P. Philip, engr. Dept. Pub. Wks., Victoria, substructure bridge over Thompson River, here, for Provincial Govt., Victoria. Noted May 5.

Contracts Awarded

New York—Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, 2 stone faced rein.-con. and 3 timber faced bridges on Saw Mill River Parkway, Hastings, Dobbs Ferry and Greenburg to J. S. Lowney & Co., Carlson Ave., King Park, $85,140. Noted Oct. 27.

N. Y., Mount Pleasant (mail Hawthorne) —Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, constructing substructure foundations and wing walls for bridge over New York Central R.R. tracks north of Mount Pleasant station, here to Immick Co., Inc., Girard Ave., Hartford, Conn., $59,675. Noted Oct. 27.

La., Oak Ridge—Police Jury Morehouse Parish, Bastrop, Beouf River Bridge, 323 ft. long, 5 mi. east of here, Norman Bridge, 200 ft. long, 4 mi. east of here, and Hamby Slough Bridge, 100 ft. long, 4 mi. east of here, all creosoted timber, to Amer. Creosote Wks., 1305 Dublin St., New Orleans. Noted Sept. 29.

Tenn., Lawrenceburg—Lawrence Co., concrete bridge over Shoal and Cowpen Creeks, to Southern Constr. Co., 615 South 11th St., Birmingham, Ala., $72,558.

Ohio—G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, two 40 ft. span beam bridge on Sect. "D" Cincinnati-Brookville Rd., Butler Co., to J. Hill, Ada, $11,908; three 32 ft. span beam bridge over north fork Paint Creek, on Sect. "C" Columbus-Washington C. H. Rd., Fayette Co., to L. H. Nixon, Columbus, $20,306; removing present steel truss bridge and constructing 40 ft. beam span bridge on Sect. "I" Lima-Sandusky Rd., Sandusky Co., to A. Shekelhoff, Fremont, $6,521; also constructing slab top culvert and concrete bridges over Smith and Fall Creeks, Sect. "D" Middletown-Eaton Rd., Butler Co., to F. M. Hall, Dayton, $16,294. Grand total $55,029. Noted Oct. 20.

Kan., Ashland—See "Streets and Roads."

Kan., Independence — Montgomery Co., Bridge 1108, two 40 ft. and one 50 ft. girder spans over Onion Creek, on Project 25-A, to F. Luttjohann, 2053 Kansas Ave., Topeka, $11,734; and Bridge 707, five 50 ft. T girder spans, on Project 28, to Higgins Constr. Co., Independence, $20,933.

Kan., Sedan—Chatauqua Co., 3 bridges on Federal Aid Project 384, Sect. A, to A. F. Lewis, Wellsville, $15,536. Noted Sept. 8.

Kan., Wakeeney — See "Streets and Roads."

Neb., Lisco — Garden Co., c/o H. C. Fickles, Oshkosh, bridge and approach fills on Lisco State Aid Bridge over Platte River, to Western Bridge & Constr. Co., 748 Peters Trust Bldg., Omaha, $64,750.

Neb., Scotia — Greeley Co., c/o Clerk Scotia, four 75 ft. span pony truss span bridge, on Sta. 48 plus 50, Scotia-West Rd., to Diamond Eng. Co., Grand Island, $25,950.

Arkansas—State Hy. Comn., Little Rock, concrete bridge on Ashdown-Ben Lomond Rd., Sevier Co., to Richardson Ayers, Hope, $28,208; approximately 130 ft. concrete bridge, on Heber Springs Edgemont Rd., Highway 16, Sect. 11, Cleburn Co., to B. H. Heard, Little Rock, $10,149.

Washington—See "Streets and Roads."

California—State Hy. Dept., Sacramento, rein.-con. bridge over Pollards Gulch, Shasta Co., and 3 rein.-con. culverts east of Hayward, Alameda Co., to E. B. Skeels, Roseville, $53,336 and $42,577 respectively. Noted Oct. 13.

Calif., Los Angeles — Los Angeles Co. Flood Control, Dist., Big Dalton Dam and appurtenant structures, to H. W. Rohl, 806 Roosevelt Bldg., $381,194. Engrs. est. $400,000. Noted Nov. 17.

Dams

Contracts Awarded

Africa, Abyssinia — Abyssinia Government, Addis Ababa, irrigation dam in Lake Tsana, and constructing road from Addis Ababa to Lake Tsana, to J. G. White Eng. Corp., 43 Exchange Pl., New York City. Engrs. est. $20,000,000.

Railways

Proposed Work

Kansas and Colorado—Atchison, Topeka & Santa Fe R.R., M. C. Blanchard, ch. engr. (Western Lines), Amarillo, made plans relaying approximately 300 mi. steel rails, wood ties and ballasting tracks between Kansas state line, La Junta, Pueblo, Denver, Colo.

Contracts Awarded

Ontario—Canadian Govt., Ottawa, 154 mi. extension Hudson Bay Ry. from present end of steel mile 356 to Fort Churchill incl. clearing, grubbing, crossswaying, grading and culvert excavating approximately to Stewart & Cameron Ltd., Winnipeg, Man., unit cost basis.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Miss., Clarksdale — Zazoo-Mississippi Delta Levee Bd. soon takes bids complete pumping plant for drainage system at McKinley Lake. $46,000. W. L. Head, Clarksdals, ch. engr.

Mo., Princeton—Wayman & Muddy Creek D.D., c/o Clerk Mercer Co., making preliminary plans 3.5 mi. ditches; draining 3,234 acres in Wayman Dist. and 7.25 mi. ditches 2,200 acres in Muddy Creek Dist.

Calif., Sausalito — M. F. Seymour, secy. Tamaplais Union High School Dist., made specifications dredging 75,000 cu.yd. material from Richardsons Bay for soft fill in vicinity school grounds.

Bids Desired

Ky., Morgantown—Nov. 30, at office Bd. Drainage Comrs. Butler Co., 17 mi. ditch, incl. 200,000 cu.yd. excav., etc. E. C. Overstreet, Morgantown, ch. engr.

Ia., Atlantic—Nov. 25, by J. Ward, aud. Cass Co., ditch work in Nishna Botna D. D. 7, incl. 727,800 cu.yd. excav., etc., near here. G. F. Canon, Court House, engr. Noted Oct. 6.

Calif., Proberta—Nov. 30, by O. R. Smith, secy., El Camino Irrigation Dist., 22 mi. 8- to 14-in. concrete irrigation pipe, etc.; also drill and case 2 or more wells, approximately 90 ft. 16 in. and 220 ft. 12 in., etc. Contr. 7.

Contracts Awarded

New York—Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, additional fill, etc. on Hutchinson River Parkway, near Weaver St. and Mamaroneck Ave., Scarsdale, White Plains and New Rochelle, to Smith Bros., Hartford, Conn., $37,620. Noted Oct. 27.

La., Tallulah — Fifth Louisiana Levee Dist., 25,000 cu.yd. levee work in St. Joseph Front, on right bank Mississippi River, Tensas Parish, to J. R. Jenkin, Natchez, Miss., at $0.80 per cu.yd.

Ind., Lafayette — County Clk. John L. Hoffman Ditch, 8 mi. cement tile, Tippecanoe Co., to S. P. Harriman, Lafayette, $33,898.

Ia., Onawa—Trustees Monona-Harrison D. D. 1, 12 mi. earth dikes each side Little Sioux River, incl. 153,000 cu.yd. excav., also earth spill dam in Equalizer ditch between Little Sioux and Monona-Harrison ditch, to Humphrey & Thompson, 526 Securities Bldg., Omaha, Neb., at $0.113 per cu.yd.

Calif., Merced—H. P. Sargent, secy. Merced Irrigation Dist., 30,000 cu.yd. excav. in Ward Canal, and 20,000 cu.yd. in Le Grand High Line Canal, to C. E. Murray,

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6 reasons why

[1] BRIXMENT mortar penetrates deeper and makes tighter bonds. [2] Contains no lime and is therefore more uniform in strength. [3] It becomes as strong as the brick it binds. [4] Resists moisture. [5] Will not cause efflorescence. [6] Does not fade colors. *BRIXMENT handbook on request.* Louisville Cement Co., *Incorporated;* General Offices: Louisville, Kentucky.

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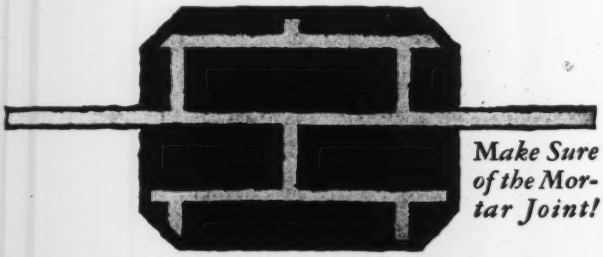

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Excavation, Drainage, Irrigation, Levees, River and Harbor (Continued)

Modesto, $0.16 and $0.17 per yd. respectively; also 12 drainage pumps and motors, etc., to Byron-Jackson Pump Mfg. Co., West Berkeley; also 147,000 cu.yd. canal excav., etc., on other schedules, will be done by district forces.

N. S., Grass Cove — Dominion Govt., Ottawa, Ont., constructing breakwater, here, to T. P. Charleson, 179 Gilmour St., Ottawa, Ont., $37,000.

Streets and Roads

Proposed Work

N. J., New Brunswick—Bd. Freeholders Middlesex Co. plans paving 0.5 mi. Lincoln Blvd., in Middlesex. $25,000. State Hy. Bd., Trenton, contributes $10,000 towards cost. W. C. Buchanan, Perth Amboy, engr.

N. J., Sea Isle City — Bd. Freeholders Cape May Co., (Cape May C. H.), plans 6 in. graveling 2 mi. road, 100 ft. $190,000. R. F. Smith, Marmora, engr.

Ga., Commerce — Voted $31,000 bonds, paving various streets.

La., Bastrop—Morehouse Parish making preliminary plans grading and graveling 35 mi. roads in Rd. Dist. 1. $300,000. L. White, Court House, engr.

La., Oakdale — Soon takes bids paving various streets. $200,000. H. A. Mentz, Hammond, engr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 12 mi. Atwood-McKenzie Rd., Carroll Co.; and 20 mi. Paris-Tennessee River Rd., Henry Co. C. N. Bass, highway comr.

Tenn., Huntington — Carroll Co. voted $250,000 bonds, improving 200 mi. various roads (probably gravel) and bridges.

Ia., Allison — Butler Co. making plans grading and 6 in. concrete paving 204,191 yd. Primary Road 10, Project P-558. D. W. Burch, Allison, co. engr.

Ia., Cedar Rapids — L. J. Storey, city clk., City Hall, rejected bids Sept. 19, grading and 7 in. concrete, asphaltic concrete, sheet asphalt, warrenite bitulithic or brick paving 10,183 sq.yd. Blake Blvd. Will readvertise. R. W. Gearhart, City Hall, engr. Noted Sept. 15.

Ia., Independence—Buchanan Co. making plans grading and 6 in. concrete paving 69,480 sq.yd. U. S. Road 20. E. B. Spencer, Independence, co. engr.

Ia., Manchester—Delaware Co. making plans grading and 6 in. concrete paving 166,256 yd. U. S. Road 20, Project F-4. H. Klaus, Manchester, co. engr.

Ia., Maquoketa—Jackson Co. voted $1,000,000 bonds, paving and graveling various roads. F. E. Riley, Maquoketa, co. engr.

Ia., Red Oak—Montgomery Co. making plans 6 in. concrete paving 16 mi. Primary Road 34, $350,000; and grading 14 mi. same road, $25,000. P. A. Michel, Red Oak, co. engr.

Ia., Toledo — Tama Co. making plans grading, bridging, etc., 55 mi. roads, $268,000; and graveling 65 mi. roads, $190,000, during 1928. L. E. Clayton, Toledo, co. engr.

Kan., Emporia—Lyon Co. soon takes bids concrete, brick or gravel surfacing and bridging 3.858 mi. Rd. K-11, Federal Aid Project 260-G, 18 ft.; graveling and bridging 2.325 mi. Rd. K-57, 18 ft.; graveling 3.72 mi. Rd. 57, 28 ft.; also 100 ft. truss span bridge, 20 ft. over Daw Creek, on Federal Aid Project 260-F. O. D. Henry, Court House, engr.

Kan., Fredonia—Wilson Co. soon takes bids grading and chat surfacing 7.934 mi. various roads, 18 ft. E. C. Baity, Court House, engr.

Kan., Kinsley—Edwards Co. making preliminary plans grading, bridging and sand clay surfacing 8.398 mi. US 50-S, Federal Aid Project 302, Sect. H, 28 ft. A. H. Long, Court House, engr.

Kan., Larkin—Kearney Co. soon takes bids grading 8.156 mi. and constructing two 20 ft. I-beam bridges on Federal Aid Project 338-B, 28 ft. R. F. Darnell, Court House, engr.

Kan., Wellington — Sumner Co. made plans grading, bridging, etc., 16.21 mi. Conway Springs Rd. J. W. Mavity, Court House, engr.

Neb., Humphrey—Soon takes bids curbing and concrete paving 16,000 sq.yd. various streets. $50,000. Bruce & Grupe, 710 Bankers Reserve Bldg., Omaha, engrs.

Neb., Lincoln—Made preliminary plans grading, curbing and paving Garfield St. between 5th and 7th Sts., Dist. 773; R St. between 35th and 36th Sts., Dist. 774; Otoe St. between 13th and 14th Sts., Dist. 775; West St. between 30th and 32nd Sts., Dist. 776; F St. between 1st and West 2nd Sts., Dist. 786; and 2 alleys. D. L. Erickson, city engr.

Neb., Wahoo—Soon takes bids curbing, grading and concrete paving 15,000 sq.yd. Paving Dist. 9. Bruce & Grupe, 710 Bankers Reserve Life Bldg., Omaha, engrs.

Mo., Union—Soon takes bids grading, curbing and rein.-con. or brick paving, etc., 10,000 sq.yd. various streets. J. W. Shikles & Co., 708 New York Life Bldg., Kasas City, engr.

Ark., Dardanelle — Making preliminary plans grading, curbing and 6 in. rein.-con. paving, etc. 60,000 sq.yd. Paving Dist. 2, S. M. Davies, Morrilton, engr.

Ark., Dermott—Making preliminary plans grading, curbing and paving etc. approximately 60,000 sq.yd. various streets.

Ark., Hot Springs—Soon takes bids constructing streets in Dists. 109, 111, and 112, $118,000; and grading, etc. Dist. 113. Smith & Annen, City Hall, engrs.

Ark., Little Rock—Making preliminary plans grading, curbing and paving Dists. 485 and 487.

Ark., Osceola—Making preliminary plans curbing and concrete paving approximately 9,000 sq.yd. Paving Dist. 5. $25,000. O. M. Fairley, Osceola, engr.

Tex., Houston—Making plans 2 in. on 6 in. concrete paving 2,200 ft. Scott St., 35 ft., $30,000; and 1 mi. Canal St., 42 ft., $150,000. J. C. McVea, Houston, engr.

Tex., Houston—Harris Co. making plans bituminous on gravel surfacing 1.5 mi. Lawndale Rd. from Bayou to Bway. $25,000. A. J. Wise, Houston, engr.

Tex., Kaufman — Kaufman Co. voted $40,000 bonds, permanent paving highway 40, in Forney Precinct. Address C. Ashworth, Kaufman, co. judge. Noted Oct. 6.

Tex., Nocona—Making plans 8 in. rein.-con. paving various streets. $70,000. Devlin Eng. Co., Central Bldg., Amarillo, engrs.

Tex., Richmond—Fort Bend Co. plans 10 in. gravel surfacing 12 mi. Highway 19, 18 ft., $50,000; also asphalt surfacing same road, $20,818, State appropriates $10,409 towards cost. B. Hedick, resident engr.

Tex., Sinton—Voted $113,000 bonds, street improvements. Address City Secretary.

Oklahoma—State Hy. Dept., Oklahoma City, made preliminary plans grading, etc., 11 mi. Highway 33, 30 ft., Payne Co. $75,000. C. R. Mandigo, Capitol, Oklahoma City, engr.

Oklahoma—State Hy. Dept., Oklahoma City, making preliminary plans grading and paving 4 mi. Highway 29, 30 ft., Carter Co. $100,000. C. R. Mandigo, Capitol, Oklahoma City, engr.

Okla., Drumright—Plans grading, curbing and 6 in. concrete paving 7,200 sq.yd. Dist. 8. $28,000. F. H. Peckham, 227 West Grand St., Oklahoma City, engr.

Okla., Deer Creek—Voted $26,608 bonds, grading and paving 7 blocks Main St., 30-76 ft. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Ponca City—Plans grading, curbing and vertical fiber brick paving 8,200 sq.yd. Dist. 71. $36,471. H. W. Crawford, Ponca City, engr.

Okla., Tecumseh — Defeated $85,000 bonds, paving 28 blocks Dist. 2. O. M. Drake, Muskogee, engr.

Okla., Tulsa—Making preliminary plans 10 mi. boulevard system, 75 ft. Election soon $2,000,000 bonds, for same. C. Schultz, City Hall, engr.

Calif., Alameda — Defeated $213,000 bonds, widening Park and Webster Sts., etc.

Calif., Berkeley—Making estimates constructing boulevard through residential section, north and south Berkeley traffic through city. To exceed $25,000.

Calif., Compton—Plans concrete paving, mains, etc., Orange St., etc. To exceed $25,000.

Calif., La Mesa—Plans Durite paving, sewers and watermains in Date and Acacia Aves., etc. To exceed $25,000.

Calif., Los Angeles—Los Angeles Co. making surveys improving approximately 7 mi. Florence Ave. between east city limits of Inglewood and Washington Blvd. in Venice, 70 ft. G. W. Jones, Hall of Records, engr.

Calif., San Diego—Made plans curbing and 2 in. asphalt on 4 in. asphaltic concrete paving, etc. 13,933 sq.yd. Dewey and 26th Sts.; curbing, walks and 2 in. on 4 in. asphaltic concrete paving, etc. 7,802 sq.yd. Sunset Clifts Blvd., curbing, walks, 8 in. asphaltic concrete paving 34,219 sq.yd., 6 in. concrete paving, etc. 20,665 sq.yd. 28th, Webster and Clay Sts., et al; also curbing, walks and 6 in. concrete paving 24,476 sq.yd. Pescadero St. et al. F. M. Lockwood, City Hall, engr.

Calif., San Rafael—Marin Co. made specifications grading, etc. 140,000 cu.yd. Mill Valley-Stinson Beach Rd. R. Messner, San Rafael, co. surv.

Que., Montreal — Soon takes bids paving Sherbrooke St. $110,000.

Ontario — Dept. Provincial Highways, Parliament Bldgs., Toronto, R. M. Smith, ch. engr., making plans asphalt or concrete paving 45 to 50 mi. highway from Hamilton to Niagara Falls via Welland, 20 ft. $1,000,000.

B. C., West Vancouver—Defeated $220,000 bonds, resurfacing Marine Dr., and new bridge over Capelano River. G. S. Hanes, 128 3rd St. W., North Vancouver, engr.

Mexico, Matamoras — City, c/o L. R. Rendon, making plans permanent hard paving 50 blocks various streets. $150,000. City Eng. Dept., engrs. Interested contractors should communicate with owner at once.

Bids Desired

Rhode Island — Nov. 23, by State Bd. Pub. Wks., State House, Providence, 8 in. bituminous macadam paving, penetration method, 3 mi. highway in Hopkinton Contr. 2713, 2.2 mi. highway in Middletown, Contr. 2714, 4.7 mi. highway in East Greenwich, Warwick and West Warwick, Contr. 2715, 2.2 mi. highway in Johnston, Contr. 2716, and 3.4 mi. highway in Bristol and Warren, Contr. 2717, all foregoing 20 ft. wide; and 8 in. rein.-cement concrete paving 1.6 mi. highway in Cranston, Contr. 2712, Federal Aid Project 50, 40 ft. wide.

N. Y., St. George—Nov. 23, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading Eltingville Blvd. and concrete curbing Trossach Rd.

New Jersey — Nov. 28, by State Hy. Comn., Trenton, grading and 8 in. double line rein.-con. paving 15,563 cu.yd. Route 1, Sect. 3A, Robbinsville Cutoff, Mercer Co.; and 51,510 sq.yd. Route 30, Sect 5, (Revision 1927), Hunterdon Co. A. L. Grover, ch. clk.; adv. E. N.-R. Nov. 17. Noted Mar. 3.

Maryland — Nov. 22, by State Roads Comn., Baltimore, graveling 1.2 mi. Contr. AA-48, Anne Arundel Co.; and concrete shoulders on 1.5 mi. Contr. W-26, Washington Co. J. N. Mackall, chn.

Md., Baltimore—Nov. 23, by Bd. Awards, sheet asphalt paving 11,000 sq.yd. streets listed in Contr. 441. N. L. Smith, City Hall, highways engr.

S. C., Camden—Nov. 22, at City Council chamber, sheet asphalt, warrenite-bitulithic, asphaltic concrete, or rock asphalt paving various streets. Loughlin Engineering Co., Camden, engrs.

Ga., Dawson—Nov. 29, by R. R. Marlin, mayor and Council, grading, curbing, guttering and paving, etc., 35,000 sq.yd. various streets. H. S. Jaudon Eng. Co., Elberton, engrs.

Louisiana—Dec. 8, by State Hy. Comn., Baton Rouge, grading and graveling 17.577 mi. Winnsboro-Columbia Highway, State Project 483, Franklin Parish, and 6.921 mi. Many Zwolle-Converse-DeSota Parish Line Highway, State Project 398-G, Sabine Parish. N. W. Bowden, highway engr.

Louisiana—Dec. 22, by State Hy. Comn., Baton Rouge, grading, etc., 13.19 mi. Clinton-Bluff Creek Highway, State Project 573, Unit 1, East Feliciana Parish; and 1.778 mi. Baton Rouge-Greensburg Highway, State Project 514, Unit 1, East Feliciana Parish. N. W. Bowden, highway engr.

La., Plaquemine — Nov. 21, by Comn. Council, grading, curbing, guttering and sidewalks on various streets. Swanton & McGraw, Balter Bldg., New Orleans, engrs. Noted Nov. 3.

Ind., Porter — Nov. 22, by Bd. Town Trustees, graveling Dune Forest Trail, North Triangle, East Triangle, Dune Pass, Woodland and Wagner Drives, Michigan, Indiana and Illinois Aves. G. W. Dabbert, town clk.

Michigan—Dec. 1, at Houghton Co. Road Office, Hancock, concrete or bituminous concrete paving 9.694 mi. MO31-19, C-1, and 2.523 mi. MO31-18, C-1, both 18 ft. for State Hy. Dept., Lansing. G. D. Tramp, Crystal Falls, resident engr.

Minnesota—Nov. 29, by State Hy. Dept., St. Paul, grading and concrete paving 645,110 sq.yd. Federal Aid Projects 263, 394-B, 394-A, 305, 384-A, 316, and 396. Eng. Dept. State Hy. Dept., 1246 Universtiy Ave., St. Paul, engrs.

Kan., Council Grove—Dec. 6, by Clerk Morris Co., sand clay surfacing 3.258 mi. US 50-N, Project 171-A.

Kan., Girard—Nov. 28, by Clerk Crawford Co., grading, etc., 56,799 cu.yd. Project 32-C. J. H. Ludlow, Girard, co. engr.

Kan., Hiawatha — Nov. 28, by Clerk Brown Co., grading 5 mi. K 20, Project 93.

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Streets and Roads (Continued)

Kan., Howard—Dec. 18, by Clerk Elk Co., grading, etc., 76,225 cu.yd. Federal Aid Project 164-C. Kansas Eng. Co., 601 Kansas St., Topeka, engrs.

Kan., Marion—Dec. 5, by Clerk Marion Co., sand clay surfacing 10.747 mi. US 50-N, Project 170-B.

Kan., Oswego—Nov. 29, by H. Owens, clk. Labette Co., grading and bridging 3.597 mi. Federal Aid Project 241-B, 18 ft., 57,943 cu.yd. earth excav., 68,337 cu.yd. borrow, 7,190 cu.yd. gravel etc. J. F. Grady, Court House, engr.

Kan., Sedan—Dec. 1, by M. L. Jones, clk. Chautauqua Co., grading 4.495 mi. and concrete paving 0.505 mi. Federal Aid Project 384-A, 30 ft. and 18 ft., 24,637 lb. reinforcing etc. C. E. Fesler, Court House, engr. Noted Sept. 8.

South Dakota — Dec. 6, by State Hy. Comn., Pierre, and City of Sioux Falls, grading and concrete paving 42,510 sq.yd. Federal Aid Projects 12 and 98. O. N. Hetle, Pierre, highway engr.

Arizona—Nov. 21, by State Hy. Comn., Phoenix, grading and 2 in. asphaltic concrete or bitulithic on 4 in. bituminous paving 51,000 sq.yd. Prescott-Jerome Highway, Federal Project 36-A-Reopened. W. C. Lefebvre, state engr.

Nevada — Nov. 23, by Directors Dept. Highways, Carson City, grading, crushed rock or gravel surfacing 15,600 cu.yd. road from point 2 mi. north of Carters to Gardnerville, Route 3, Sect. B-2, Douglas Co.; and 28,300 cu.yd. Federal Aid Projects 83, 101-A, Reopened and 101-B, Clark Co. S. C. Durkee, Carson City, highway engr.

Washington — Nov. 29, by State Hy. Com., Olympia, grading and graveling 3,280 cu.yd. State Road 7, Kittitas Co.; also grading and crushed rock resurfacing 14,700 cu.yd. State Road 3, Columbia and Garfield Counties. S. J. Humes, Olympia, highway engr.

Calif., Inglewood—O. H. Duelke, city clk., taking bids grading, curbing, walks, etc. on Austin Ave. and Industrial Way, etc. $25,000 or more. W. Peffer, city engr.

Calif., Los Angeles—Nov. 21, by Supervs. Los Angeles Co., grading, curbing, walks, guttering and vibrolithic concrete paving, etc. Brooklyn Ave., Impvt. 322. To exceed $150,000. G. W. Jones, Hall of Records, engr.

Calif., Los Angeles—Nov. 28, by Supervs. Los Angeles Co., curbing and concrete paving, etc., 1.85 mi. Garvey Ave. and Monterey Pass Rd. G. W. Jones, Hall of Records, engr.

Contracts Awarded

Mass., Boston—Dept. Pub. Wks., granite block paving Kneeland St., to A. DeStefano, 288 Summer St., $49,405. Noted Oct. 20.

Mass., Boston — Dept. Pub. Wks., sheet asphalt paving Alcorn St. and Ward 21, to A. DeStefano, 288 Summer St., $26,951.

Mass., Waltham—Dept. Mental Diseases, State House, Boston, grading, etc. Trapelo Rd. at Metropolitan Hospital, at junction town lines, Waltham, Lexington and Belmont, to Bruno & Pettiti, 18 Tremont St., Boston; drainage, to W. J. R. Totman, South Easton; and graveling, to R. H. Newell, Uxbridge. Engrs. est. to exceed $25,000. Noted Oct. 27.

N. Y., Brooklyn—Park Bd., W. R. Herrick, pres., Park Dept., Arsenal Bldg., Central Park, New York City improving Coney Island Ave. from Ocean Parkway to West 5th St., here to M. J. O'Hara, Neptune Ave., and West 19th St., $54,960. Noted Oct. 27.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., grading and granite block repaving Beach St., also grading and sheet asphalt paving 40th St., to W. J. Fitzgerald, Grand Central Terminal, $49,004 and $38,018 respectively, and Lenox Ave., to C. D. Beckwith, Inc., Seneca Ave. and Edgewater Rd. $21,802; also asphalt paving Sickles St., to Asphalt Constr. Co., 208 Bway., $25,273. Grand total $134,097. Noted Oct. 27.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, grading Washington Ave. from Elizabeth Grove Rd. to Plaza Elizabeth-Howland Hook Bridge, to Rosoff Bros., Bway. and Gates Ave. Brooklyn, $42,965; Washington Ave. from point 880 ft. east of west house line Elizabeth Grove Rd. to J. J. P'Rourke, 248 Gordon St., Stapleton, $46,750; also grading and bituminous concrete repaving Taylor St. to J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $7,835. Grand total $97,550. Noted Nov. 3.

Pennsylvania—State Hy. Comn., Harrisburg, grading 17,000 cu.yd. Route 122, Madison Twp., Perry Co., to J. M. Hutchison, Greenwood St., Altoona, $34,325; also grading and 6.5 in. rein.-con. paving 17,100 sq.yd. Application 4528, Burnham Boro, Mifflin Co., to J. B. Trexler, Lewistown, $62,650. Noted Oct. 20.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, to T. P. Lee, 5629 Cherry St., grading Malvern St. $4,319, and to J. F. Nolan & Son, 64 Church Lane, Renovo, Sterling and 20th Sts. $13,121; to Mack Paving & Contg. Co., Nicetown Lane and Luzerne St., paving (assessment work) Courtland St. $50,074, Ditman St. $6,004, and Stiles St. $5,893, to Municipal Constr. Co., Inc., Washington Sq. Bldg., Ogontz St. $17,144, and 21st St. $6,114. Grand total $57,669. Noted Nov. 3.

Pa., Uniontown—Fayette Co., concrete on stone paving 1.77 mi. Owensdale to Everson Rd., and 1 mi. Connellsville-Poplar Grove Rd., to Georges Constr. Co., Uniontown, $74,110 and $51,374 respectively. Noted Sept. 1.

Maryland — State Roads Comn., Baltimore, graveling 1.5 mi. Contr. SM-41, St. Marys Co., to Southern Maryland Constr. Co., 14 East Lexington St., Baltimore, $15,592; and 1.74 mi. Contr. P-64, Prince Georges Co., to V. A. Pyles, 5th St. and Chesapeake Ave., Brooklyn. $22,942. Noted Oct. 20.

Fla., Hollywood — City Clerk, curbing, sidewalks and paving 70,000 sq.yd. various streets, to Godcharles & Darrow, Hollywood, $97,148. Noted Oct. 20.

Miss., Meridian—Bd. Supervs. Lauderdale Co., improving 7.949 mi. Federal Aid Project 192-A, 16,638 cu.yd. gravel 1 mi. haul, 225,031 units overhaul, 74,614 cu.yd. mixing clay and gravel, etc., to Boddie Constr. Co., Laurel; furnishing gravel for above road to Richton Investment Co., Richton, at $1.40 per ton.

La., Benton—Bossier Parish, grading and graveling, etc. Benton-Plain Dealing Highway, to J. C. Wimberly, Church Point, $94,494; pit run gravel, to Parker Gravel Co., Commercial Bank Bldg., Benton, at $2.05 per cu.yd.; and washed gravel, to Meriweather Supply Co., 1312 Jordon Ave., Benton, at $2.44 per cu.yd.

Ohio—G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, grading and 2½ in. brick paving, etc. 5.467 mi. Sect. "C-2" Columbus-Lancaster Rd., Fairfield Co., to R. J. Deinst, 209 South High St., Columbus, $149,103; grading and concrete paving, etc. 4.093 mi. Sect. "M" Steubenville-Cambridge Rd., Jefferson Co., to W. L. Johnson Co., Hicksville, $160,788, and 0.466 mi. Sect. "Woodville East" Bowling Green-Port Clinton Rd., Sandusky Co., to Modern Constr. Co., Fremont, $15,762; grading and asphaltic macadam paving, etc. 5.158 mi. Sect. "J" Tiffin-Bellvue Rd., Seneca Co., to Peerless Constr. Co., Fremont, $122,899; also grading, etc. 3.973 mi. Sect. "D" Millersburg-Wooster Rd., Wayne Co., to Griggs-Anderson Co., Millersburg $48,489, and 3.835 mi. Sect. "J" Loudonville-Wooster Rd., Wayne Co., to Burnhart & Mohler, Canton $29,776. Grand total $526,817. Noted Oct. 20.

O., St. Clairsville — Belmont Co., Court house, St. Clairsville, constructing Warnoch-Lamira Rd., to Miller & Pletcher, St. Clairsville, $134,736.

Ind., Michigan City—Bd. Wks., rein.-con. paving 4,000 ft. Gardena St., to Columbia Constr. Co., Michigan City, $41,619.

Mich., Detroit—One course 6 in. concrete paving 16,066 sq.yd. Alleys 3447 to 3458 (inclusive), to Otis Cement Constr. Co., 402 Hammond Bldg., and Bishop & Weir, 955 East Jefferson Ave. Engrs. est. $33,000.

Mich., Pontiac—For 8 in. concrete paving 21,800 sq.yd. industrial drives for Yellow Truck & Coach Mfg. Co., to J. A. Utley, 729 Penobscot Bldg., Detroit. Engrs. est. approximately $60,000.

Mich., Pontiac—For 9 in. concrete paving approximately 8,800 sq.yd. South Blvd., to Schaefer-Thompson Co., Pontiac. Engrs. est. approximately $30,000.

Ia., Albia—Monroe Co., to S. J. Groves & Son Co., 306 Globe Bldg., Minneapolis, Minn., improving 16.4 mi. U. S. Rd. 34, Project 554, 59,200 yd. earth excav. at $0.46 per yd., and 172,947 yd. 6 in. concrete paving $2.34. Noted June 23.

Ia., Anamosa—Jones Co., to Harrison Eng. & Constr. Corp., Mutual Bldg., Kansas City, Mo., improving 24.71 mi. U. S. Road 161, Federal Aid Project 36, 92,720 yd. earth excav at $0.50 per yd. and 261,292 yd. 6 in. concrete paving $1.82.

Ia., Boone—Boone Co., grading 5.45 mi. U. S. Highway 30, to Lamoreaux Bros., 418 Peters Trust Bldg., Omaha, Neb., $79,050.

Ia., Charlton—Lucas Co., grading and paving 13.59 mi. U. S. Highway 34, Project 551, to Union Constr. Co., 200 New York St., Des Moines, $374,845. Noted June 23.

Ia., Mt. Pleasant—Henry Co., to Union Constr. Co., 200 New York St., Des Moines, improving 9.31 mi. U. S. Rd. 34, Federal Aid Project 56, 30,779 yd. earth excav. at $0.48 per yd. and 98,367 yd. 6 in. concrete paving $2.34, and 8.92 mi. U. S. Rd. 34, Federal Aid Project 151, 26,700 yd. earth excav. $0.48, and 94,357 yd. 6 in. concrete paving $2.31. Noted Aug. 11.

Ia., Tipton—Cedar Co., to Littig Constr. Co., 1st Natl. Bank Bldg., Davenport, improving Springdale-West Liberty Rd., 42,500 cu.yd. excav. at $0.294 per cu.yd., 15,000 yd. overhaul $0.02, and 436 ft. culvert labor $0.35 to $0.45.

Ia., Tipton — Cedar Co., to McCarthy Impvt. Co., Davenport, improving 8.08 mi. Primary Rd. 38, Project 114-C, 14,818 yd. earth excav. at $0.50 per yd, and 85,090 yd 6 in. concrete paving $2.30.

Ia., Wapello—Louisa Co., to Littig Constr. Co., 1st Natl. Bank Bld., Davenport, improving road system, 68,578 cu.yd. excav. at $0.26 per cu.yd., 740 ft. culvert labor $0.35, and 342 ft. $0.45; to Cronkhite Constr. Co., Perry, 7,189 ft. guard rail $0.185-$0.45 per ft. ,51 baffle walls $5.50, and 22 end anchors $7.80; to L. Plumb, Wapello, 3,700 ft. tile drain $0.14, and 600 ft. $0.25

Ia., West Union—Fayette Co., to A. F. Johnson Constr. Co., Minneapolis, Minn., improving 24.95 mi. Primary Rd. 11, Project 553, 86,720 yd. earth excav. at $0.50 per yd., and 263,839 yd. 6 in. concrete paving $2.27. Noted Aug. 11.

Ia., What Cheer — Rein.-con. paving 9,787 sq.yd. Barnes St., to J. P. Abramson, 2902 Cottage Grove Ave., at $2.28 per sq.yd. Noted Sept. 8.

Kan., Ashland—Clark Co., grading, etc. 1.122 mi. Federal Aid Project 365, Sect. A, also constructing twenty-three 21 ft. pile trestle span bridge over Big Sand Creek, at Englewood, to A. R. Mackey, Greeley, Colo., $25,807.

Kan., Hutchinson—Reno Co., brick or asphalt paving over Cow Creek on Ave. A, from Main to Washington Sts., to Stamey-Tidd, Constr. Co., Hutchinson, $31,757.

Kan., Wakeeney — Trego Co. to Felton Constr. Co., Hays, improving US. Highway 40-S, Federal Aid Project 382, Kansas Project 60, Sect. C, 60,000 cu.yd. excav. and embankment, concrete posts, cable guard fence, etc. $14,251, 10.197 mi. culverts $17,072, and three 7 ft. multiple box span bridge, 30 ft. on Sta. 399 plus 50, 5½ mi. from Collyer $2,118. Grand total $33,441.

Kan., Sharon Springs—Wallace Co., to San Orr Constr. Co., McPherson, graveling 8.011 mi. US 40 S, 375-A and B $10,420, a three 25 ft. span bridge on same road $6,511, also sand clay surfacing 16.822 mi. US 40 S, Project 142-C $14,671. Grand total $31,602. Noted Oct. 20.

Nebraska — Dept. Pub. Wks., State House, Lincoln, 3 in. sand gravel surfacing, etc., 15.7 mi. Pierce-Wausa Rd., Federal Aid Project 268-A, to C. W. Smaith, Plainview, $39,240. Noted Oct. 20.

Neb., Fremont—Grading, curbing and rein.-con. paving 12,956 sq.yd. streets in Paving Dists. 81, 82, 83 and 84, to W. Weidner, 1125 East 12th St., Fremont.

Neb., Lincoln—Grading, curbing and asphaltic concrete paving F St. between 1st and 7th Sts., Dist. 429, to Abel Constr. Co., Terminal Bldg., $28,920; asphaltic resurfacing 2,075 sq.yd., to Cochrane Constr. Co., 822 1st Natl. Bldg., $2,560; concrete paving, etc., 235 sq.yd. alley in Dist. 194, to Reimers-Kaufman Co., 16th and West Sts., $630; 650 ft. 6 in. sewer in Dist. 121, to J. L. Deffenbaugh, 2124 Smith St. $1,174, 1,730 ft. 6 in. sewer in Dist. 125, to G. L. Vlasnik, 1721 South 22nd St. $2,460; and 3,880 ft. 8 in. vitr. sewer in Dist. 313, to Knudsen Co., Bankers Life Bldg., $3,075. Grand total $38,819.

Neb., Lincoln—Curbing, guttering and asphaltic concrete paving, etc., Dist. 765, to Abel Constr. Co., 308 Terminal Bldg., $102,020.

South Dakota—State Hy. Comn., Pierre, plans grading, etc. 8 mi. road from Mission to Rosebud Todd Co., and 14 mi. from Edgemont to Wyoming state line, Fall River Co. O. N. Hetle, Pierre, highway engr.

Mo., Joplin—Concrete paving, etc., 18,200 sq.yd. 15th St. and 5,400 sq.yd. Sergeant Ave., to H. Kost, 2002 Jackson Ave., at $1.62 per sq.yd.; also asphaltic concrete paving 2,750 sq.yd. 5th St., to Granite Bituminous Paving Co., Railway Exch. Bldg., $1.63. Noted Oct. 27.

Ark., Arkadelphia — L. Goodloe, secy. Street Impvt. Dist. 4, grading, concrete sewers, and rein.-con. paving etc. 70 blocks various streets, to Phoenix Constr. Co., Fort Smith, $195,000.

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Streets and Roads (Continued)

Tex., Amarillo—For 3 in. brick paving approximately 7,500 yd. East 7th St., to Texas Road Co., Amarillo, $36,354.

Tex., Cotulla—La Salle Co. making plans hardsurfacing 44 mi. Highway 2, Meredian Highway, $800,000; and improving 46 mi. road from Cotulla to Los Angeles and Fowlerton to McMullen Co. line, $600,000. G. A. Bracher, Cotulla, engr. Noted May 26.

Tex., Houston—For 2 in. asphalt on 6 in. concrete paving Texas Ave. from Hutchins to Live Oak, to A. M. Arnold Co., 112 Buffalo St., $29,326, and Tuam St. from Genesee to Milam Sts., to Gulf Bithulitchic Co., 2820 Polk Ave., $35,824. Engrs. est. $40,000 each.

Tex., Ranger—Curbing, guttering, walks, brick on 8 in. crushed stone paving 60,000 sq.yd. various streets, to W. E. Burke, Sweetwater, $149,095. Noted Oct. 27.

Tex., San Angelo — For 7 in. rein.-con. paving Dist. 9, and 6 in. rein.-con. paving Dist. 10, to L. E. Whitham Co., 1901 Austin Ave., Wichita Falls, $155,404 and $154,101 respectively.

Tex., San Benito—Concrete curbing and concrete paving approximately 15,000 sq. yd. total business district, to Dodds & Wedegartner, at $2.90 sq.yd., total approximately $50,000. Noted Oct. 13.

Tex., Wichita Falls—For 8 in. rein.-con. paving portions Ave. F, Park, Jefferson, Mill, Tilden, 5th and 6th Sts., to L. E. Whitham & Co., Wichita Falls, at $2.85 per sq.yd., total approximately $32,500.

Okla., Shawnee—For 2 in. Oklahoma rock asphalt on 5 in. concrete paving 10,000 sq. yd. Dist. 43, and 8,000 sq.yd. Dist. 55, to H. L. Cannady, 1120 South Lewis St., Tulsa, $59,831 and $45,917 respectively.

Okla., Tulsa—Tulsa Co., (**e.e. means engrs. est.**) 7 in. concrete paving 24,485 sq.yd. Wekiwa Rd., to Highway Constr. Co., Daniels Bldg., $59,040 e.e. $62,000; 36,935 sq.yd. Sheridan Rd., to E. Mead, Nebraska Bldg., $87,222 e.e. $90,000; and 13,871 sq.yd. Price Rd., to B. Gibbs, Nebraska Bldg., $29,776 e.e. $32,000. Grand total $175,038. Noted Aug. 18.

Okla., Wewoka—E. J. McBride, city clk., grading, curbing and 6 in. concrete paving 28,740 sq.yd. streets in Dist. 12, to Hansen & Pearce, Perrine Bldg., Oklahoma City, $91,472. Engrs. est. $93,778. Noted Oct. 27.

Arizona — W. V. Lefebvre, engr. State Hy. Comn., Phoenix, grading and gravel surfacing 23,550 cu.yd. Safford-State Line Highway, Federal Aid Project 88-B, to Dudley & Amesbury, El Paso, Tex., $83,549 incl. 10% for engineering and contingencies.

Washington—State Hy. Comn., Olympia, clearing, grading, constructing 5 timber bridges, etc., 6.33 mi. State Road 5 from Hells Crossing to Union Creek, Yakima Co., to Myers & Goulter, Easton, $127,577. Noted Oct. 20.

Calif., Hawthorne — Grading, guttering and asphaltic concrete on disintegrated granite paving Maryland Ave. between Inglewood and Hawthorne Aves., to G. H. Oswald, 344 East 58th St., $82,399. Noted Oct. 13.

Calif., Laguna Beach—Yoch Co., curbing, walks and oil macadam paving, etc. Mirado Sub-division, to A. R. McGrath, 1107 South Brand Blvd., Glendale, $50,000.

Calif., La Mesa—Durite paving, etc. 120,760 sq.ft. Boulder Pl., Hillcrest Ave. and Chevy Chase Dr., etc., to Hazard Contg. Co., 2548 Kettner Blvd., San Diego, approximately $73,830.

Calif., Los Angeles — City (e.e. means engrs. est.), improving Owensmouth Ave. and 3rd St. to G. H. Oswald, 366 East 58th St. $259,478 and $34,068 respectively e.e. $302,532 and $36,734 respectively; Cabrillo Ave., to McCray Co., 4482 East Worth St., $142,405 e.e. $154,150; Corning St., to G. R. Curtis Paving Co., 2440 East 26th St., $62,744 e.e. $62,624; also San Fernando Rd., to Griffith Co., 520 Los Angeles Railway Bldg., $193,179 e.e. $227,742. Grand total $691,874. Noted Oct. 27.

Calif., Los Angeles—Los Angeles Co., grading, curbing, walks, guttering and oil and rock surfacing, etc. Jackson St., Impvt. 545, to G. T. McLain & Son, 1124 Las Palmas Ave., $43,196.

Calif., Salinas—M. R. Keef, city clk., grading and 5 in. concrete paving, etc. portions Park, E and Alisal Sts., etc., to W. A. Dontanville, Salinas, approximately $25,415. Noted Oct. 27.

Calif., Salinas—Monterey Co., oil bound macadam paving, etc. Monterey-Castroville Highway, to Granite Constr. Co., Watsonville, $79,710.

Calif., San Anselmo — Westland Park Subdivision Co., concrete paving, etc., (1st unit), Westland Park Subdivision Co., to Cuffe & White, Masonic Bldg., San Rafael, approximately $25,000.

Calif., San Diego—Common Council, improving El Cajon Ave., etc., and La Cresta, Ridge Rd., etc., to B. Noble, Spreckels Theatre Bldg., $185,656 and $109,615 respectively. Noted Oct. 13.

Calif., San Diego — Bd. Supervs. San Diego Co., to G. R. Daley, 4430 Boundary St., improving Rolando Units 4 and 5, 22,510 sq.ft. 5 in. concrete paving at $0.20 per sq.ft., 350,715 sq.ft. 4 in. Warrenite paving, etc. $0.163, 94,055 sq.ft. concrete walks $0.20, etc., total $230,319. Noted Sept. 29.

Calif., San Francisco—J. V. Campbell, 1072 Bryant St., grading and asphaltic concrete paving area bounded by Woodside and Idora Aves., Portola Dr. and Laguna Honda Blvd., to A. J. Raisch, 46 Kearny St., approximately $60,000.

Calif., San Francisco—Curbing and asphalt paving, etc. 149,783 sq.ft. Roosevelt Way, to Eaton & Smith, 715 Ocean Ave., $58,800.

Calif., Santa Ana—Orange Co., to Griffith Co., Railway Bldg., Los Angeles, improving Placentia-Yorba Rd., 113,500 sq.ft. gravel sub-base at $0.045 per sq.ft., 12,800 tons asphaltic concrete paving $4.25, etc., total approximately $69,825.

Calif., Stockton—A. L. Banks, city clk., grading, curbing, walks and paving, etc. Weber Ave., to J. E. Johnston, E and Weber Sts., $43,500. Noted Oct. 20.

Calif., Ventura—Ventura Co., asphaltic concrete surfacing, etc., portion Telegraph Rd., to Southwest Paving Co., Washington Bldg., Los Angeles, $30,335. Noted Apr. 14.

Calif., Whittier — For 7 in. concrete paving, etc. 177,398 sq.ft. Turnbull Dr., etc., to Northern Constr. Co., Olsen Bldg., Burbank, $40,289. Noted Sept. 29.

Ont., Toronto—York Twp. concrete curbing, guttering and bituminous concrete paving approximately 7,000 sq.yd. Northcliffe Blvd., to Kilmer & Barber, 10 Adelaide St. E., $33,111.

Africa, Abyssinia—See "Dams."

Buildings—Commercial

Proposed Work

Mass., Barnstable — THEATRE — J. M. Johnson, 97 Massachusetts Ave., Boston, plans theatre, Main St., here. $150,000 or more. Engineer and architect not selected.

Mass., Belmont (br. Boston)—HOSPITAL—Belmont Hospital, Inc., H. Stockwell, pres., 80 Stone Rd., having preliminary plans prepared by H. T. Underwood, 46 Cornhill, Boston, altering and constructing 3 story and basement, brick and stone addition, plain foundation, Washington St. $150,000 or more.

Mass., Boston—CLUBHOUSE and HOTEL—Coolidge & Carlson, archts., 89 State St., receiving estimates on preliminary plans 14 story and basement, brick and steel, plain foundation, for The Durant, Inc., 336 Huntington Ave., F. B. Chuld, chn. building comn. To exceed $150,000. Noted Oct. 27.

Mass., Brookline (br. Boston)—APARTMENT — Owner, c/o Eisenberg & Feer, archts., 46 Cornhill, Boston, having plans prepared 3 story and basement, 120 x 180 ft., brick and stone, plain foundation, Washington St. $250,000.

Mass., Framingham—STORE, OFFICE and APARTMENT — R. H. Long Realty Co., Waverly St., plans store, office and apartment building, Union Ave. $150,000 or more. Engineer and architect not selected.

Mass., Lawrence — OFFICE — Merchants Trust Co., H. L. Sherman, pres., Appleton St., plans 3 or 4 story and basement, probably brick and stone, 246-256 Essex St. $150,000 or more. Engineer and architect not selected.

Mass., Leominster—THEATRE—A. McEvoy, c/o J. E. Kelly, archt., 38 Chauncy St., Boston, having preliminary plans prepared 1 and 2 story and basement, brick and steel, plain foundation, Mechanic St. $150,000.

Mass., Mansfield — THEATRE — M. P. Foster, 160 Elm St., New Bedford, soon takes bids 1 and 2 story and basement, 70 x 120 ft., brick and steel, plain foundation, Main St. $160,000. L. G. Foster, North Main St., archt. Noted Nov. 17.

Conn., New Haven—Y. W. C. A., 568 Chapel St., having plans prepared by D. Orr, 956 Chapel St., 4 story and basement, 35 x 100 ft. and 50 x 180 ft., brick and steel, incl. cafeteria, offices, dormitory rooms, swimming pool, etc., Humphrey St. $350,000. W. Thompson, 342 Madison Ave., New York City, engr.

N. Y., Brooklyn—APARTMENT—Syndicate, c/o Shampan & Shampan, archts., 188 Montague St., having plans prepared, 6 story and basement, 100 x 220 ft., Bay Parkway and 83rd St. $800,000.

N. Y., New York — APARTMENT — I. Feldman, 300 Madison Ave., having plans prepared by Gronenberg & Leuchtag, 1385 Bway., 10 story and basement apartment, 3rd Ave. and 35th St.

N. Y., New York — BANK — Hermor Realty Corp., c/o R. Garfield, 127 Madison Ave., plans 3 story and basement, granite and limestone, 910 8th Ave. $250,000. Engineer and architect not selected.

N. Y., New York—HOSPITAL—Montefiore Hospital, Gunhill Rd., had sketches made by Kohn & Butler, 56 West 45th St., two hospital buildings, Gunhill Rd. $300,000 and $500,000.

N. J., Arlington—APARTMENT—Stuyvesant Holding Corp., 185 Market St., Newark, having plans prepared by D. J. Scrocco, 60 Park Pl., Newark, 3 story and basement, 80 x 90 ft., brick and steel, plain foundation, here. $150,000.

N. J., Asbury Park—APARTMENT HOTEL—Owner, c/o A. P. Nuiciarone, archt., 206 Central Ave., Orange, having plans prepared 6 story and basement, 50 x 150 ft., brick and steel, plain foundation, here. $250,000.

N. J., Asbury Park—GARAGE, SHOWROOM, STORE and MACHINE SHOP—S. Schneider, 418 Main St., having plans prepared by C. B. Cook, 700 6th Ave., 3 story and basement, 100 x 150 ft., brick and steel, plain foundation, Cookman and Munroe Aves. $400,000.

N. J., Atlantic City—APARTMENT—T. J. Koury, 919 Boardwalk, having revised plans prepared by A. F. Amodio, 45 Branford Pl., Newark, 5 story and basement, brick and steel, plain foundation, Beach and Cornwall Ave. $225,000. Noted Sept. 29.

N. J., Bayonne—CLUB HOUSE—B. P. O. E., 39 West 34th St., plans brick and steel, plain foundation, Avenue C, between 31st and 32nd Sts. W. $150,000. Engineer and architect not selected.

N. J., Browns Mills—SANITARIUM—Browns Tuberculosis Sanitarium, Browns Mills, plans addition. $500,000 funds being raised for same. Engineer and architect not selected.

N. J., Camden—BANK and OFFICE—Camden Safe Deposit & Trust Co., 224 Federal St., having plans prepared by Rankin & Kellogg, 1805 Walnut St., Phila., Pa., 70 x 120 ft., rein.-con., brick and steel, plain foundation, Market St. and Bway., here. Noted Apr. 14.

N. J., Cranford—APARTMENT—A. G. Constr. Co., 39 Branford Pl., Newark, having plans prepared by R. Bottelli, 45 Branford Pl., Newark, 3 story and basement, 100 x 125 ft., brick and steel, plain foundation, 20-26 Springfield Ave. $150,000.

N. J., East Orange—APARTMENT—D. S. Koggan, 418 15th Ave., Paterson, having plans prepared by A. Haenichen, 126 Market St., Paterson, 10 story and basement, brick and steel, plain foundation, 238 Harrison St., here. $500,000.

N. J., East Orange—APARTMENT—D. S. Koggan, 418 15th Ave., Paterson, having plans prepared by Haenichen, 126 Market St., Paterson, 4 story and basement, 80 x 125 ft., brick and steel, plain foundation, 33 Sanford St., here. $150,000.

N. J., East Orange—APARTMENT—A. Lieb, c/o E. V. Warren, archt., Essex Bldg., Newark, having plans prepared 4 story, 80 x 120 ft., brick and steel, plain foundation, 170 South Clinton St. $155,000.

N. J., East Orange—CITY HALL—City having revised plans prepared by J. H. and W. C. Ely, 784 Broad St., Newark, 3 story and basement, 180 x 250 ft., brick and steel, plain foundation, North Arlington Ave. and New St. $200,000.

N. J., Jersey City—APARTMENT—B. Clott, c/o M. Kraut, archt., 14 Journal Sq., having plans prepared 4 story and basement, brick and steel, plain foundation, 22-26 Lexington Ave. $150,000.

N. J., Lakewood—CASINO—Hotel Assn. of Lakewood, C. Hecht, pres., 6th St., plans brick and steel casino, plain foundation, here. $150,000. Engineer and architect not selected.

N. J., Newark — APARTMENT — A. Potash, c/o S. Cohen, archt., 130 Branford Pl., having plans prepared 5 story and basement, brick and steel, plain foundation, 48-50 Milford Ave. $150,000.

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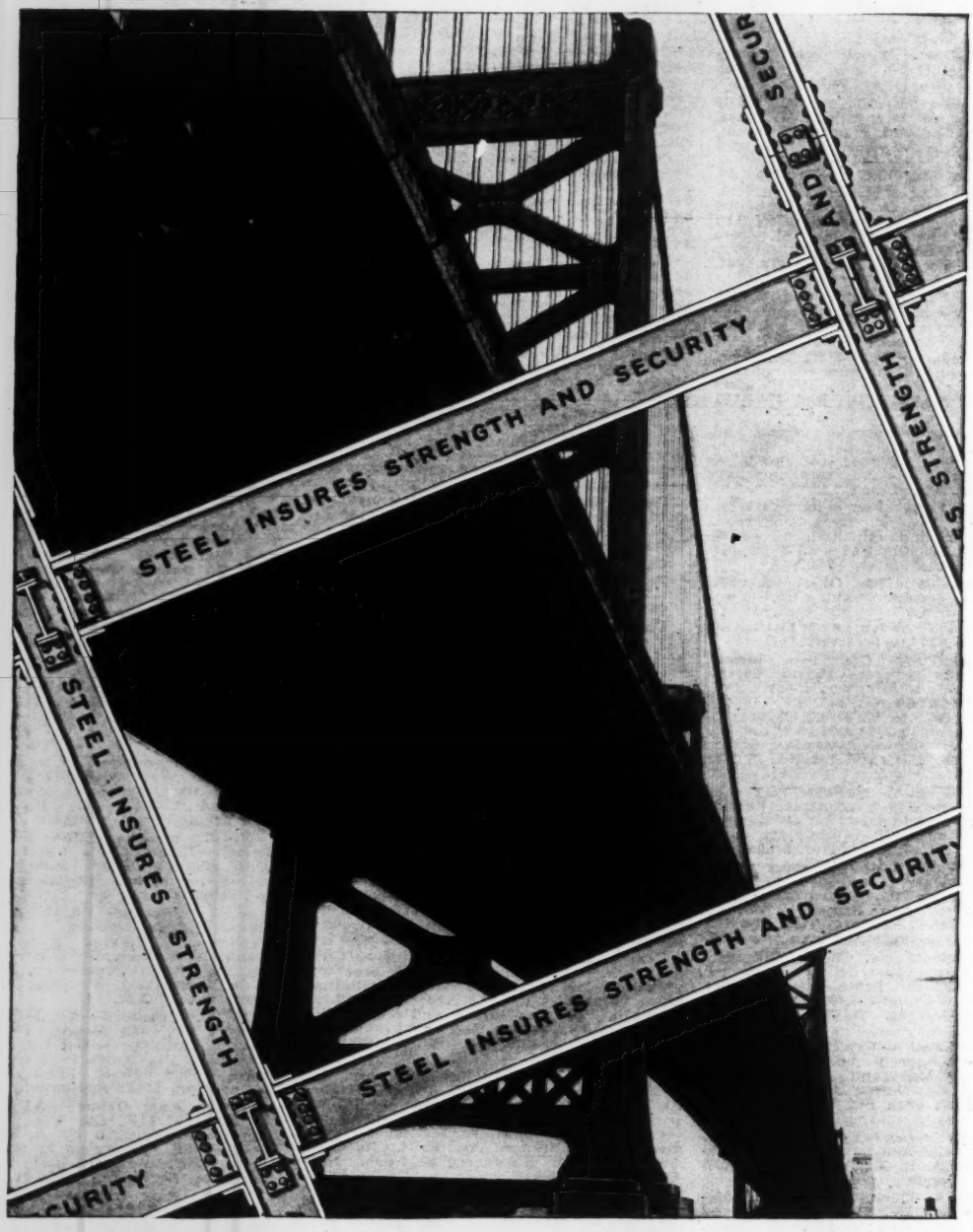

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Buildings—Commercial (Continued)

N. J., Newark — APARTMENT — Max Sloff, 786 Broad St., having plans prepared by E. Gerber, 786 Broad St., 3 story and basement, 50 x 170 ft., brick and steel, plain foundation, 95 Montclair Ave. $150,000.

N. J., Newark — OFFICE — Branford Building Co., c/o H. F. Clark, archt., 38 Clinton St., having plans prepared 22 story, 90 x 125 x 150 ft., brick, steel and rein.-con., plain foundation, Branford Pl. and Arlington St. $3,000,000.

N. J., Orange—APARTMENT—Ruby & Rudnewitz, c/o E. Gerber, archt., 786 Broad St., Newark, having plans prepared 5 story and basement, brick and steel, plain foundation, Lincoln and Heywood Aves., here. $175,000.

N. J., Red Bank—HOTEL—N. Harris, archt., 20 Branford Pl., Newark, soon lets contract general contract 9 story and basement, 124 x 400 ft., brick and steel, plain foundation, Riverside Ave., here, for Red Bank Hotel Co., C. A. Williams, Salz Bldg. $650,000. Noted Sept. 15.

N. J., Union City — APARTMENT — Auriemma & Macchi, 1739 Hudson Blvd., Jersey Ctiy, having plans prepared by C. I. Goldberg, 437 Bway., Bayonne, 4 story and basement, brick and steel, plain foundation, Bergenline Ave. and 8th St. $150,000.

N. J., Westfield—APARTMENT—Amond Land Constr. Co., c/o C. H. Darsh, archt., 537 Broad St., having plans prepared 3 story and basement, 75 x 125 ft., brick and steel, plain foundation, Lawrence and Walnut Sts. $150,000.

Del., Wilmington — LODGE—Wilmington Lodge 184 Loyal Order of Moose having plans prepared by Brown & Whiteside, du Pont Bldg., 3 story, 60 x 160 ft., brick, 12th and Market Sts. $500,000. Engineer not selected.

Md., Baltimore—APARTMENT HOTEL—H. M. Reinhart, Calvert Bldg., having plans prepared by F. E. Beall, 306 St. Paul St., 5 story, brick and steel, on 150 x 152 ft. site, Charles St. near 29th St. $450,000.

La., Lake Charles — BANK — Calcasieu Natl. Bank of Southern Louisiana, soon takes bids 1 and 2 story and mezzanine, 70 x 157 ft., and 25 x 157 ft., rein.-con., brick and steel, Ryan and Pujo Sts. $200,000. Favrot & Livaudais Ltd., Hibernian Bank Bldg., New Orleans, archts. Noted Nov. 3.

La., New Orleans—HOSPITAL—A. Moss, 2114 Jackson Ave., plans hospital. $250,000. M. H. Goldstein, Hibernia Bldg., archt.

La., New Orleans — HOTEL — Chicago Syndicate, c/o B. H. Marshall, archt., 612 Sheridan Rd., Chicago, Ill., making plans hotel, Bayou St. John, here. $2,000,000.

Tenn., Mullins (mail Cordova)—WORK HOUSE—Shelby Co. Institutions Com. plans workhouse. $200,000. Engineer and architect not selected.

Tenn., Nashville—APARTMENT—J. Calhoun, et al, Warner Pl., had plans prepared by Tisdale, Stone & Pinson, Independent Life Bldg., 18 apartment, brick and stone, Belle Meade Park. $225,000.

Mich., Ann Arbor—OFFICE and HOTEL—J. E. Beal, Huron and Main Sts., having plans prepared 10 story and basement, rein.-con., brick and steel, plain foundation Huron St. Engineer and architect's names withheld.

Mich., Detroit — APARTMENT — R. W. Babcock, Woodward Ave., soon lets contract 3 story and basement, 42 x 165 ft., rein.-con. brick and steel, plain foundation, Seward St. $175,000. Private plans.

Mich., Detroit — OFFICE — Wormer & Moore, Wormer & Moore Bldg., having plans prepared 4 story and basement, 40 x 100 ft., rein.-con., brick and steel, plain foundation, Lafayette Blvd. $150,000. Engineer and architect not announced.

Mich., Detroit—THEATRE and RECREATION—Owner, c/o P. Rossello, archt., 406 Congress Bldg., having plans prepared 2 story and basement, 80 x 400 ft., brick and steel, plain foundation, Northwest Section, $325,000.

Mich., Flint—MERCANTILE—Buckingham Clothing Co. had plans prepared by A. DesRosiers, 620 McKerchey Bldg., Detroit, 8 story and basement, 22 x 66 ft., rein.-con., brick and steel, plain foundation. $150,000.

Mich., Marquette—OFFICE—First Natl. Bank & Trust Co. or Uffinger, Foster & Brookwater, archts., 221 West 57th St., take bids about Dec. 1, 3 story and basement, 56 x 92 ft., rein.-con., brick, steel and stone, plain foundation. $150,000.

Mich., Mason—HOSPITAL, etc.—Ingham Co. having preliminary plans prepared 4 story and basement hospital and heating plant. $320,000. Engineer and architect not selected. Kidner & Rosenfield, 155 East 42nd St., New York City, consult. archts.

Mich., Owosso — HOTEL — Owner, c/o Owosso Chamber of Commerce, having plans prepared by B. K. Gibson, 624 South Michigan Ave., Chicago, Ill., 4 story, rein.-con., brick and steel, plain foundation. $200,000.

Mich., Royal Oak (Ind. br. Detroit)—APARTMENT—C. S. Klein, archt., 1016 Detroit Savings Bldg., Detroit, preparing plans 3 story and basement, 100 x 100 ft., limestone, brick and steel, plain foundation, here. $150,000. Owner's name withheld.

Ill., Chicago — APARTMENT — H. L. Morse, archt., 155 North Clark St., preparing plans and soon takes bids 3 story and basement, 50 x 100 ft., brick and stone, 4325-27 Vista Terrace. $150,000. Owner's name withheld.

Ill., Chicago—APARTMENT HOTEL—Elm Street Building Corp., c/o W. Bernhard & Co., archts., 820 Tower Court, having plans prepared 18 story and basement, 80 x 100 ft., rein.-con., brick and stone, 14 West Elm St. $1,500,000.

Ill., Chicago — APARTMENT — Syndicate, c/o Rebori, Wentworth, Dewey & McCormick, 332 South Michigan Ave., having plans prepared 13 story and basement, 70 x 80 ft., rein.-con., brick, steel, stone and tile, Banks and Astor Sts. $500,000.

Ill., Chicago—OFFICE and STORE—J. L. Simpson, c/o D. H. Burnham & Co., archts., 160 North La Salle St., having plans prepared 23 story and sub-basement, 50 x 125 ft., brick, steel and stone, Madison and Clark Sts. $2,500,000.

Ill., Chicago — SHELTER HOUSE and PAY STATION—South Park Comrs., 5700 Cottage Grove Ave., having plans prepared 1 and 2 story, 38 x 116 ft., near Monroe St. in Grant Park. $200,000. Linn White, 5700 Cottage Grove Ave., ch. engr.

Ill., Wilmette—CLUB—Shawnee Club, A. N. Page, pres., having plans prepared by D. H. Burnham & Co., 160 North La Salle St., Chicago, 3 story and basement, 100 x 300 ft., brick, incl. 40 x 100 ft. swimming pool, bowling, hand ball, etc., Lake and Michigan Sts. $700,000.

Ia., Des Moines—EXCHANGE—Northwestern Bell Telephone Co., R. P. Hapley, dist. mgr., 924 Grand Ave., having plans prepared by G. B. Prinz, 1037 Omaha Natl. Bank Bldg., Omaha, Neb., 9 story and basement, 132 x 132 ft., rein.-con., brick and stone, plain foundation. $800,000. Noted Nov. 3.

Ia., Marshalltown — HOTEL — Eppley Hotel Co., Hotel Fontenal, Omaha, Neb., E. C. Eppley, pres., having preliminary plans prepared 7 story and basement, rein.-con., brick, steel and terra cotta, here. $750,000. Private plans.

Neb., Omaha — HOTEL — Kitchin Hotel Co., having plans prepared by L. Daly, Peters Trust Bldg., 12 story, 350 room hotel, 14th St. $2,000,000.

S. D., Vermilion — ARMORY, GYMNASIUM, etc.—Hugill & Blatherwick, archts., 367 Boyce-Greeley Bldg., Sioux Falls, take bids about Feb. 1, 1 story and basement, 135x216 ft. armory and gymnasium, incl. swimming pool, etc., here, for University of South Dakota. $250,000. J .Berg, Pierre, state engr. Noted Oct. 27.

Mo., Jefferson City—OFFICE—State Hy. Comn. takes bids after Nov. 20, 3 story and basement, 70 x 155 ft., rein.-con. and stone, South Capitol Ave. $290,000. Edgerton Swartwout, 18 West 34th St., New York City, archts. Noted Sept. 15.

Mo., Moberly — Moberly Y. M. C. A. having preliminary plans prepared 3 or more story, rein.-con., brick and stone building. $250,000.

Mo., Nevada—HOTEL—C. A. Smith, archt., 800 Finance Bldg., Kansas City, making plans 7 story and basement, 75 x 150 ft., brick and rein.-con. hotel. To exceed $150,000. Owners name withheld.

Mo., St. Louis — APARTMENT — H. Rhodes, c/o F. G. Davis, archt., 2034 McCausland Ave., having preliminary plans prepared 8 story and basement, 98 suite, rein.-con., brick and stone, Cabanne and Belt Aves.

Tex., Amarillo—OFFICE—Atchison, Topeka & Santa Fe R.R. Co., M. C. Blanchard, ch. engr. (Western Lines), soon takes bids office building. $750,000. Noted Apr. 7.

Tex., Beaumont—HOTEL—E. G. Edson, c/o Edson Realty Co., having plans prepared by F. W. Steinman, 411 San Jacinto Life Bldg., and takes bids about Feb. 3, 14 story and basement, 120 x 120 ft., rein.-con. and brick, 125,000 sq.ft. floor space, plain foundation, Pearl and Liberty Sts. $1,500,000. Noted May 26.

Tex., Corpus Christi — OFFICE and PRINTING PLANT—W. E. Pope, c/o Corpus Christi Times, having plans prepared by E. K. Ahler, Corpus Christi, 8 story and part basement, rein.-con., brick and tile, plain foundation. $150,000.

Tex., McAllen—HOTEL—M. Nelson having plans prepared by H. P. Smith, c/o Natl. Bank Commerce Bldg., San Antonio, 10 story, 257 room, rein.-con., cement tile, stucco and stone hotel known as Unit 1. $325,000.

Tex., Point Isabel—HOSPITAL—A. W. McCandless, et al, Carbondale, Ill., plans 4 or 5 story hospital. $300,000. Engineer and architect selected after first of year.

Tex., San Antonio—THEATRE, OFFICE and STUDIO—Interstate Amusement Co., c/o K. Hoblitzelle, Dallas, and San Antonio, having plans prepared by J. Eberson, 212 East Superior St., Chicago, Ill. and 200 West 57th St., New York City, and takes bids about Mar. 1, 3 story and basement, 110 x 170 ft., rein.-con., brick, terra cotta, and steel, plain foundation, Houston St. between St. Marys and Navarro Sts. $2,500,000. Noted Aug. 18.

Tex., Stinnett — COURTHOUSE—Hutchinson Co., c/o W. R. Goodwin, judge, takes bids about Nov. 28, 3 story, rein.-con., brick and stone, courthouse. $300,000. W. C. Townes, 310 Blackburn Bldg., Amarillo, archt.

Tex., Vernon—COURTHOUSE—Wilbarger Co., c/o J. V. Townsend, judge, having sketches made by Voelcker & Dixon, Perk-ns-Snider Bldg., Wichita Falls, courthouse. $275,000.

Okla., Oklahoma City—APARTMENT—J. W. Hawk, 1019 1st Natl. Bank Bldg., having preliminary plans prepared by Hawk & Parr, 1019 1st Natl. Bank Bldg., 4 story and basement, 50 x 180 ft., rein.-con. and brick, plain foundation, 25th and Hudson Sts. $165,000.

Okla., Oklahoma City—AUTOMOBILE BUILDING—Eisle Motor Co., 10th and Robinson Sts., having preliminary plans prepared by G. A. Nichols, 110 North Harvey St., 3 story and basement, 160 x 162 ft., rein.-con. and brick, plain foundation, 10th St.

Okla., Okmulgee — LODGE — B.P.O.E. Lodge, E. Chislom, secy., having preliminary plans prepared 3 story and basement, rein.-con. and brick, plain foundation, Porter St. $165,000. Engineer and architect not selected.

Okla., Tulsa — APARTMENT — A. E. Aaronson, Court Arcade Bldg., having plans prepared 10 story and basement, 100 x 120 ft., rein.-con., steel and terra cotta, 9th and Boulder Sts. $500,000. Engineer and architects names withheld.

Okla., Tulsa — APARTMENT — A. E. Aaronson, Court Arcade Bldg., plans prepared 10 story and basement, 100 x 120 ft., rein.-con., steel and terra cotta, plain foundation, 9th and Boudder Sts. $500,000. Engineer and architect not selected.

Okla., Tulsa—OFFICE—A. M. Atkinson, archt., Midcontinent Bldg., soon lets contract 10 story and basement, 47 x 140 ft., rein.-con. and brick, plain foundation, Boston St., for Oklahoma Natural Gas Co., 117 West 4th St. $375,000. W. C. Roads, Court Arcade, engr. Noted Oct. 13.

Colo., Glenwood Springs—COUNTY—R. K Fuller, archt., Insurance Bldg., Denver, soon lets contract 4 story, 70 x 170 ft., rein.-con., brick, steel and terra cotta, plain foundation, for Garfield Co. $150,000.

Calif., Hollywood — CLUB — Hollywood Post 43, Amer. Legion, plans fireproof club, Highland Ave. $150,000.

Calif., La Jolla—APARTMENT—G. A. Bans, c/o F. W. Stevenson, archt., Spreckels Theatre Bldg., San Diego, had plans prepared 3 story and basement, rein.-con., Prospect and Jenner Sts. $250,000.

Calif., Los Angeles—APARTMENT—J. N. Conway, archt., Professional Bldg., preparing preliminary plans 4 story and basement, 120 x 120 ft., brick, concrete and steel, Beverly Dr. $300,000. Owners name withheld.

Calif., Los Angeles—APARTMENT—F. Horowitz, Stock Exch. Bldg., having plans prepared by A. W. Weitzman, 1017 Hibernian Bldg., 7 story, 114 x 121 ft., 8225 Sunset Blvd. $150,000.

Calif., Los Angeles — APARTMENT — Dwyer & Van Dorn, archt., Wilshire Studio Bldg., prepared plans 5 story and basement, brick, Gramercy Pl. Owner's name withheld.

Calif., Los Angeles—APARTMENT—A. Odson, c/o R. A. Hill, archt., Chester Wil-

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Buildings—Commercial (Continued)

liams Bldg., had preliminary plans prepared 4 story and basement, brick, Hoover and Marathon Sts. $150,000.

Calif., Oakland — HOSPITAL — Oakland Hospital Building Corp., c/o W. H. Weeks, 369 Pine St., having preliminary plans prepared concrete hospital, East 14th St. and 27th Ave. $250,000.

Calif., Oakland—HOTEL and STORE—W. Lowe, archt., 354 Hobart St., preparing preliminary plans 6 story and basement, concrete hotel and stone building. $150,000. Owner's name withheld.

Calif., Oakland — STORE, APARTMENT and HOTEL — W. Lowe, archt., 354 Hobart St., preparing preliminary plans 11 story and basement, 190 room, concrete, Madison St. $250,000. Owner's name withheld.

Calif., Pasadena—APARTMENT—Hotel Maryland having preliminary plans prepared by E. B. Rust, Black Bldg., Los Angeles, 6 story and basement, probably rein.-con. To exceed $250,000.

Calif., San Francisco — APARTMENT — H. C. Baumann, archt., 251 Kearny St., preparing plans 12 story and basement, 150 room, rein.-con., Geary and Jones St. $350,000. Owner's name withheld.

Calif., San Francisco—APARTMENT—A. J. Horstman, archt., 110 Sutter St., preparing preliminary plans concrete apartment. $150,000. Owners name withheld.

Calif., San Francisco—HOTEL—A. J. Horstman, archt., 110 Sutter St., preparing preliminary plans 15 story and basement hotel. $400,000. Owner's name withheld.

Ont., Corbyville — STORAGE WAREHOUSE—Canadian Industrial Alcohol Co., had plans prepared by T. Pringle & Sons, 84 King St. E., Toronto, 9 story, 90 x 180 ft., rein.-con., brick and steel, plain foundation. $250,000.

Ont., Kitchener — APARTMENT — Independent Builders Ltd., Temple Bldg., Toronto, had plans prepared by H. G. Duerr, Lumsden Bldg., Toronto, 4 story and basement, 80 x 100 ft., rein.-con., brick, steel and stone, plain foundation. $150,000.

Ont., Ottawa—HOTEL—R. Blackburn will not construct 9 story and basement hotel, Sparks St. Dominion Govt. has taken site for park purposes. Noted Sept. 29.

Ont., Ottawa — HOTEL — Hockenbery Hotel System, 200 North 3rd St., Harrisburg, Pa., soon takes bids hotel, Metcalfe St., here, $800,000. Engineer and architect not selected.

Ont., Ottawa—HOTEL and THEATRE—General Organization Co., 10 North Clark St., Chicago, Ill., having plans prepared by D. R. Brown, associated archt., 285 Beaver Hall Hill, Montreal, Que., 300 room hotel, Elgin and Queen Sts., here.

Ont., Toronto—APARTMENT—D. Sher, 299 Crawford St., having plans prepared by Kaplan & Sprachman, 305 Dundas St. W., 4 story and basement, rein.-con., brick, steel and stone, plain foundation, Bloor St. W. near Alhambra Ave. $250,000.

Ont., Toronto—GARAGE and SHOW ROOM—Toronto Motor Car Co., 120 Adelaide St. W., having plans prepared by Hutton & Souter, 6 James St. S., Hamilton, 2 story and basement, 140 x 145 ft., rein.-con., brick and steel, plain foundation, Yonge St. and Orchard View Blvd. $150,000. Noted Oct. 27.

Ont., Toronto—GARAGE and SHOWROOM—A. D. Gorrie & Co., 354 Victoria St., having plans prepared by M. Brown, Confederation Life Bldg., 3 story, 150 x 150 ft., rein.-con., brick and steel, plain foundation, Gerrard St. E. $175,000. Noted Sept. 22.

Ont., Toronto—STORE and OFFICE—Robins Ltd., Natl. Bldg., having plans prepared by S. B. Coon & Sons, 4 St. Thomas St., and soon take bids 2 or 3 story and basement, 80 x 160 ft., rein.-con., brick and steel, plain foundation, incl. garage in basement, Bloor St. W. and Bay St. $150,000.

Bids Desired

Me., Bangor—STORE and OFFICE—Coe Estate, c/o G. W. Banton, 116 Hammond St., taking bids 3 story and basement, 155 x 175 ft., brick, plain foundation, Main, Cross and Columbia Sts. $150,000. Crowell & Lancaster, Exch. Bldg., archts. Noted Nov. 3.

N. H., Keene—HOTEL—Nov. 25, by M. E. Georges, c/o Haynes & Mason, archts., 280 Main St., Fitchburg, Mass., brick and steel addition, to Hotel Ellis, here. $150,000. Noted Nov. 10.

Mass., Newton—THEATRE—See "Contracts Awarded."

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Mass., Somerville—STORE and OFFICE—See "Contracts Awarded."

Conn., New Haven—See "Unclassified."

Conn., Stamford—OFFICE—Nov. 25, by Gruber & Mernstein, c/o F. Urso, archt., Spelke Bldg., 432 Main St., 2 and 4 story, 55 x 75 ft. and 55 x 80 ft., brick and steel, Forest and Prospect Sts. $150,000. Noted Oct. 13.

N. Y., Brooklyn — APARTMENTS — See "Contracts Awarded."

N. Y., Brooklyn — THEATRE — J. N. Linn, archt., 371 Fulton St., taking bids theatre, 1,700 seating capacity, Whitney Ave., Plum and 1st Sts., Gerritsen Beach, here, for Gerritsen Theatre Corp., c/o architect.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. J., East Orange—APARTMENT—See "Contracts Awarded."

N. J., Englewood—APARTMENT—C. G. Eicholz, Jr., archt., 960 Bergenline Ave., Union City, taking bids general contract 5 story and basement, 50 x 128 ft., brick and steel, plain foundation, Hudson Ave., for J. English, Palisade Ave. $190,000. Noted Nov. 10.

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Jersey City—APARTMENT—See "Contracts Awarded."

N. J., Passaic — APARTMENT — See "Contracts Awarded."

N. J., Summit — APARTMENT — Stuyvesant Constr. Co., 972 Broad St., Newark, taking bids 3 story and basement, brick and steel, plain foundation, 15 Norwood Ave. $225,000. Kasoff & Flatt, 164 Market St., Newark, archt. Noted Oct. 27.

Ind., South Bend—OFFICE—W. Happ, 224 Sherland St., taking bids 6 story, rein.-con., brick, steel and stone, Michigan and Jefferson Sts. $200,000. E. W. Yong, 807 Sherland Bl., archt.

Mich., Detroit—OFFICE, THEATRE and GARAGE—Dec. 1, by A. Kahn, archt., 1000 Marquette Bldg., 10 and 25 story and basement, rein.-con., brick and steel, caisson foundation, West Grand Blvd., for New Center Development Co., General Motors Bldg.

Mich., Pontiac — APARTMENT — See "Contracts Awarded."

Ill., Chicago—APARTMENT—Suburban Realty Trust, Bankers Bldg., taking bids 3 story and basement, 125 x 141 ft., brick and stone, 80th St. and Merrill Ave. $165,000. Lindblad & Carlson, 155 North Clark St., archts.

Ill., Evanston — APARTMENT — A. E. Anderson, 30 North La Salle St., Chicago, taking bids 3 story and English basement, 150 x 170 ft., 650 Hinman Ave., here. $350,000. C. J. and R. H. Johnson, 5153 North Clark St., Chicago, archt.

Mo., Kansas City—OFFICE—Nov. 21, by Hoit, Price & Barnes, 800 Davidson Bldg., 13 story, 96 x 125 ft., brick, terra cotta and rein.-con. addition, for Southwestern Bell Telephone Co., Telephone Bldg.

Mo., Kansas City—HOTEL—See "Contracts Awarded."

Tex., Stinnett — COURTHOUSE — Nov. 26, by W. R. Goodwin, judge Hutchinson Co., 3 story, part basement, brick and rein.-con., plain foundation, courthouse, here. Archts. est. $250,000. W. C. Townes, 310 Blackburn Bldg., Amarillo, archt.

Calif., Bakersfield — HOSPITAL — F. E. Smith, clk. Kern Co., taking bids and open same about Dec. 12, 3 story, 45 x 220 ft., brick, steel and concrete wing. $150,000. C. H. Biggar, Bank of Italy Bldg., archt. Noted Sept. 29.

Calif., Los Angeles—APARTMENT—W. W. Smith, archt., 1242 Keniston Ave., taking bids 4 story and basement, brick and rein.-con., North Gramercy Pl. $150,000. Owners name withheld.

Calif., San Francisco—APARTMENT—One Thousand Fifty-One Investment Co., c/o A. H. Larsen, archt., 47 Sutter St., taking bids 6 story, basement and sub-basement, concrete and steel O'Farrell and Franklin Sts. $200,000. Noted Apr. 28.

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

Contracts Awarded

Mass., Boston — COMMERCIAL — New England Confectionery Co., 253 Summer St., altering and constructing 6 story and basement, rein.-con., brick and steel addition to Building, plain foundation, Summer and Belcher Sts., to C. A. Dodge Co., 2 Erie St., Cambridge. Archts. est. $150,000.

Mass., Boston — OFFICE — Woodstock Trust, c/o H. F. Kellogg, archt., 378 Stuart St., 14 story and basement, 150 x 170 ft., rein.-con., brick and steel, plain foundation, 89 Broad St., to Turner Constr. Co., 178 Tremont St. To exceed $150,000. Noted Sept. 15.

Mass., Brookline (br. Boston)—APARTMENT—M. Greenfield, 10 Leston St., Dorchester, 3 story and basement, brick and stone, plain foundation, James St., to B. Meshon, 119 Hutchins St., Roxbury. Archts. est. $150,000-$160,000.

Mass., Lawrence — BANK — Merchants Trust Trust Co., H. L. Sherman, pres., 3 story and basement, rein.-con., brick, steel and stone, plain foundation, Essex and Appleton Sts., to L. E. Locke & Son, 801 Bay State Bldg. Archts. est. $250,000.

Mass., Lawrence—THEATRE—J. Campopiano, 8 Jackson Court, 1 story and basement, 50 x 100 ft., brick and steel, concrete foundation, Common St., to A. E. Steinert, 714 Bay State Bldg. Archts. est. $150,000-$160,000.

Mass., Newton (Ind. br. Boston) — THEATRE and STORE — Abramson & Bennett, Taylor Bldg., Auburn St., Auburndale, will build 1 and 2 story and basement, 100 x 200 ft., brick, steel and stone, plain foundation, Lexington St., Auburndale Sect., here. $150,000 or more. Work will be done by separate contracts. J. A. Tuck, 164 Lincoln St., Boston, archt. Noted Nov. 3.

Mass., Northampton — HOME — White Eagles Home Assn., c/o H. Ludorf, archt., 418 Asylum St., Hartford, Conn., 2 story and basement, brick and stone, plain foundation, Peel and Strong Ave., here, to Slorian & Woytonik, 44 Holyoke St., Easthampton. Archts. est. $150,000.

Mass., Somerville (br. Boston)—STORE and OFFICE—Snider & Druker, 18 Tremont St., Boston, will build 3 story and basement, 90 x 120 ft., brick and stone, plain foundation, Chester Ave. and Elm St. $150,000. Work will be done by separate contracts. Eisenberg & Feer, 46 Cornhill, Boston, archts.

Conn., New Haven—APARTMENT—H. Labov, Jr., 5th St., will build 3 story, brick and steel, 50 x 150 ft., 5th St. and Whitney Ave. $240,000. Private plans.

N. Y., Brooklyn — APARTMENTS — Jonas Constr. Co., 136 Lawrence St., will build two 6 story, 187 x 247 ft. apartments, Nostrand Ave. and Linden Blvd. $2,000,000. Work will be done by separate contracts. Gronenberg & Leuchtag, 1385 Bway., New York City, archts.

N. Y., New York — APARTMENT — Silvester Building Corp., 400 Fordham Rd., will build 6 story and basement, 103 x 138 ft., apartment, 168th St. and Franklin Ave. $200,000. Work will be done by separate contract. Bates & Franklin, 2526 Webster Ave., archts.

N. Y., New York—APARTMENT—Bonagur Constr. Co., c/o De Rose & Cavalieri, archts., 370 East 149th St., will build 5 story and basement apartment, Erickson Pl. and Zullette Ave. $250,000. Work will be done by separate contracts.

N. Y., New York—APARTMENT—Eton Holding Corp., 15 story and basement apartment, 1st Ave. and 55th St., to H. S. and S. O. Crystal, 47 West St. Archts. est. $1,300,000.

N. Y., New York — APARTMENT — Gildember Realty Corp., Olinville and Burke Aves., will build 6 story and basement, 75 x 157 ft., brick and timber, Mahan Ave. and Middleton Rd. $175,000. Work will be done by separate contracts. G. Swiller, 4215 3rd Ave., archt.

N. Y., New York—APARTMENT—B. Hoffman, 145 East 51st St., 13 story and basement, 82 x 91 ft., 132 East 79th St., to G. Richard Davis, 10 East 41st St. Archts. est. $750,000.

N. Y., New York — APARTMENT — Thirty-Three Riverside Drive, Inc., 2095 Bway., will build 16 story and basement, 104 x 113 ft., brick and steel, 31 Riverside Dr. $1,150,000. Work will be done by separate contracts. G. F. Pelham, 570 7th Ave., archt.

N. Y., New York—APARTMENT—Six to Sixteen West Seventy Seventh Street Corp., 9 East 40th St., will build 15 story, 82 x 150 ft., apartment, 6 West 77th St. $1,225,000. Work will be done by separate contracts, under supervision of N. Korn, archt., 110 West 40ht St.

N. Y., New York—OUT-PATIENT DEPARTMENT and DORMITORY — Bd. Trustees Bellevue & Allied Hospitals, 416 East 26th St, general contract out-patient department and female dormitory, at New Bellevue Hospital, 26th St. and 1st Ave., to Kenny Bros., Inc., 23 Old Bway., $1,239,000. Noted Oct. 20.

Buildings—Commercial (Continued)

N. Y., New York — TERMINAL — V. Green Constr. Co., 45 West 34th St., will build 12 story and basement terminal building, Hudson St. between Canal and Desbrosses Sts. $800,000. Work will be done by separate contracts. Renwick, Aspinwall & Goad, 8 West 40th St., archts.

N. J., Bayonne—APARTMENT—Irving Constr. Co., 249 Bway., will build 5 story and basement, 75 x 100 ft., brick and steel, plain foundation, 81-85 33rd St., here. $150,000. Work will be done by separate contract. M. Kraut, 14 Journal Sq., Jersey City, archt. Noted Oct. 27.

N. J., East Orange — APARTMENT — Lenox Finance Co., L. Koppell, pres., 786 Broad St., Newark, will build 4 story and basement, 120 x 155 ft., brick and steel, plain foundation, 148 South Munn Ave. $200,000. E. V. Warren, Essex Bldg., Newark, archt.

N. J., Jersey City—APARTMENT—Advance Development Corp., c/o C. I. Goldberg, archt., 437 Bway., Bayonne, will build 5 story and basement, 50 x 150 ft., brick and steel, plain foundation, 149 Bentley Ave. $150,000. Work will be done by separate contracts. Noted Sept. 29.

N. J., Jersey City—APARTMENT—B. Clott, 129 Stevens Ave., will build 4 story and basement, 75 x 90 ft., brick and steel, plain foundation, 22-26 Lexington Ave. $150,000. Work will be done by separate contracts. M. Kraut, 14 Journal Sq., archt. Noted Nov. 17.

N. J., Jersey City—APARTMENT—Fairmount Building Corp., c/o M. Kraut, archt., 14 Journal Sq., will build 5 story and basement, 100 x 150 ft., brick and steel, plain foundation, 329-35 Fairmount St. $250,000. Work will be done by separate contracts. Noted Oct. 20.

N. J., Newark—APARTMENT—Pomerstantz & Greenhouse, 409 7th Ave., will build 3 story and basement, 90 x 100 ft., brick and steel, plain foundation, 1-7 North 12th St. $150,000. Work will be done by separate contracts. H. M. Veix, 738 Broad St., archt.

N. J., Newark—ARENA—Newark Garden Corp., 111 Bway., New York City, J. W. Allen, pres., general contract, brick and steel, plain foundation on 250 x 320 ft. site, 540-46 Ogden St., to E. M. Waldron, Inc., 27 Central Ave. Archts. est. $1,000,000.

N. J., Passaic—APARTMENT—R. Pink, 64 Van Buren St., will build 4 story and basement, 100 x 115 ft., brick and steel, plain foundation, 395-403 Passaic Ave. $200,000. Work will be done by separate contracts. Preiskel Skvarla, 591 Main Ave., archts. Noted Nov. 10.

Md., Henryton — ADMINISTRATION — Buckler & Fenhagen, archts., 325 North Charles St., Baltimore, 3 story and basement, irregular shaped, brick and steel, here, to North-Eastern Constr. Co., Lexington Bldg., Baltimore, for Maryland Tuberculosis Hospital. Noted Oct. 27.

Md., Mt. Wilson—HOSPITAL—Buckler & Fenhagen, archts., 325 North Charles St., Baltimore, 2 story and basement, irregular shaped, brick, steel and stone, here, for State Sanitarium, to North-Eastern Constr. Co., Lexington Bldg., Baltimore. Noted Oct. 27.

La., New Orleans—HOSPITAL—Presbyterian Hospital, 5 story, limestone, brick and steel, wood pile foundation, known as James M. Batchelor Building, Carondelet St., to T. H. Brockman, Hibernia Bldg. Archts. est. $400,000. Noted Nov. 3.

Miss., Tupelo—THEATRE, MERCANTILE and OFFICE—Moore & Gregory, constructing 7 story building, containing 18 offices, opera house 1,500 seating capacity, etc., to Standard Constr. Co., Meridian, $200,000.

Tenn., Memphis—THEATRE—Orpheum Amusement Co., 190 North State St., Chicago, Ill., 3 story, 80 x 117 ft., South Main and Beale Sts., here, to Kaiser-Ducett Co., Joliet, Ill. Archts. est. $750,000. Noted June 13.

Ky., Louisville—CLUB—Pendennis Club, 332 West Walnut St., 4 story and basement, 113 x 130 ft., rein.-con., brick and steel, plain foundation, Walnut St., to Wortham Constr. Co., Starks Bldg. Archts. est. $300,000. Noted Mar. 24.

Ky., Louisville—THEATRE and STORE—J. F. Russel & Co., (owners and contractors) Brook and Bloom Sts., will build 2 story and balcony, 1,000 seating capacity, rein.-con., brick and steel, 41st and Market Sts. $150,000.

O., Canton—APARTMENT—P. Belden, et al, 723 14th Ave. N. W., general contract 2 story and basement, brick and stone, Market Ave. N., to E. Crump, 4031 Bigelow Blvd., Pittsburgh, Pa., $156,000.

O., Cincinnati — HOSPITAL — Hamilton Co., Court House, 3 story and basement, 40 x 208 ft., brick and rein.-con., plain foundation, Springfield St., to D. Meinken & Son, 2143 Barnard St., $250,000. Noted Sept. 20.

O., Cincinnati—OFFICE—Amer. Druggist Fire Insurance Co., Mercantile Library, 15 story and basement, 82½ x 100 ft., brick and rein.-con., plain foundation, Central Parkway, to M. Penker & Son, 123 Valencia St., $706,000.

Ind., Hammond — APARTMENT — D. Posner, 1436 Hohman Ave., general contract 3 story and basement, brick and stone, 1430 Hohman Ave., to Fridstein & Co., 111 West Washington St., Chicago, Ill. Archts. est. $150,000.

Mich., Ann Arbor—HOTEL—L. A. Snell, c/o L. Kamper, archt., 3729 Cass Ave., Detroit, 4 story and basement, 88 x 132 ft., rein.-con., brick and steel, plain foundation, Division St., here, to Everett Winters, 1651 East Grand Blvd., Detroit. Archts. est. $500,000. Noted Jan. 13.

Mich., Detroit—THEATRE and STORE—C. W. Brandt, archt., 2111 Woodward Ave., 2 story and basement, rein.-con., brick and steel, plain foundation, Michigan Ave., to Krieghoff Co., 6661 French Rd., for Cass Michigan Corp., 1208 Francis Palms Bldg. Archts. est. $150,000. Noted Nov. 3.

Mich., Pontiac — APARTMENT — C. F. Erb, 17½ Lawrence St., will build 4 story and basement, brick and steel, plain foundation, State St. Archts. est. $150,000.

Ill., Chicago — APARTMENT, OFFICE and STORE—Holabird & Roche, archts., 104 South Michigan Ave., general contract 6 story and basement, 100 x 200 ft., rein.-con., Michigan Ave. and Chestnut St., to Heggeman-Harris Co., 431 North Michigan Ave., for Syndicate, c/o Frankenstein & Co., 110 South Dearborn St. Noted Nov. 10.

Ill., Chicago—APARTMENT HOTEL—Forty-Three Hundred Forty-Two Washington Boulevard Building Corp., 134 North La Salle St., general contract 5 story and basement, 25 x 180 ft., rein.-con., brick and terra cotta, 4342 West Washington Blvd., to Wallach Bros., 134 North La Salle St. Archts. est. $250,000.

Ill., Chicago—APARTMENT and STORE—E. L. Cook, c/o Ohrenstein & Hild, archts., 222 East Ontario St., masonry contract 3 story building, Milwaukee and Kenneth Aves., to D. M. Reid, 140 South Dearborn St.; carpentry contract, to Little & Vwiers, 8021 South Loomis St.; plumbing, to M. J. Carboy Co., 405 North Des Plaines St.; and heating, to Randall Heating Co., Chicago. Archts. est. $350,000.

Ill., Park Ridge—THEATRE, STORE and OFFICE—Zook & McCaughey, archts., 222 West Adams St., Chicago, general contract 2 story, basement and tower, 150 x 165 ft., rein.-con., brick and steel, Prospect and Park Aves., here, to Mutual Constr. Co., 2532 Warren Ave., Chicago, for W. H. Malone. Archts. est. $450,000. Noted July 14.

Ia., Des Moines — GARAGE — E. W. Brown, 3 story, 160 x 200 ft., rein.-con., brick and steel addition, plain foundation, to C. Weitz Sons, 713 Mulberry St. $250,000.

Mo., Kansas City—HOTEL—G. H. McCandless, 400 Victor Bldg., will build 8 story and basement, brick and rein.-con., Ward Parkway and Wornall Rd., by day labor. $500,000. A. A. Gentry, Dunlap Bldg., archt.

Mo., St. Louis—APARTMENT—H. M. Edmunds (owner and contractor), 114 North 7th St., will build 16 story and basement, 110 x 213 ft., brick, stone and rein.-con., 4481 West Pine Blvd. $1,000,000.

Mo., St. Louis—APARTMENT—Marget Realty Co., 904 Chestnut St., Skinker Apartment, 3 story and basement, 60 x 240 ft., rein.-con., brick and terra cotta, Skinker Ave., to Jacob Rubin & Sons, 904 Chestnut St. Archts. est. $300,000.

Ark., Bentonville—COURTHOUSE—Benton Co., c/o W. R. Edwards, judge, general contract 2 story, gallery and basement, 74 x 120 ft., rein.-con., brick and cut stone, to Messenger & Dalton, Pittsburg, Kan., $185,000. Noted Oct. 13.

Tex., Amarillo — MAUSOLEUM — Community Mausoleum Co., M. C. Nobles, dir., mausoleum, Carthage stone and Vermont green vein marble, to Underhill Constr. Co., Amarillo, approximately $175,000.

Okla., Muskogee — COURT HOUSE — Muskogee Co., 4 story and basement, 78 x 135 ft., rein.-con. and brick, plain foundation, Cherokee St., to Manhattan Constr. Co., Muskogee, $325,250. Noted Oct. 13.

Calif., Burbank — STUDIO — Victory Studio, Inc., Hollywood, studio, incl. administration building, power plant, 2 enclosed stages, etc., on 30 acre site, at Victory and Hollywood Way, here, to J. H. Woodworth & Sons, 200 East Colorado St., Pasadena, $1,000,000. Noted Nov. 3.

Calif., Glendale—APARTMENT—L. Robman, 4 story and basement, brick, Glendale Blvd., to M. Soafer, 512 California St., $155,000.

Calif., Glendale—STORE and APARTMENT—F. M. Hack, 4 story and basement, brick, Glendale Blvd., to Hill & Petos, Pershing Sq. Bldg., Los Angeles. Archts. est. $150,000.

Calif., Long Beach—MEDICAL—Medico-Dental Bldg. Co., W. P. Wilson, pres., 8 story, 50 x 150 ft., rein.-con., Pine Ave. and 8th St. to K. L. Colburn, Pacific Southwest Bank Bldg., Pasadena. $400,000.

Calif., Los Angeles—APARTMENT—M. Fink, 4 story and basement, brick, South Burlington Ave., to Hill & Petos, Pershing Sq. Bldg. Archts. est. $150,000.

Calif., Los Angeles—APARTMENT—D. C. Patterson, 71 x 170 ft., brick, to O. Houpt, 4040½ South Harvard St. $250,000.

Calif., Los Angeles—APARTMENT—L. M. Taylor, 1410 Pointsetta Pl., 4 story and basement, 50 x 150 ft., brick, West 14th St., to J. P. Taylor 254 Southwestern Ave. $150,000.

Calif., Los Angeles — APARTMENT — J. Westley, 4 story and basement, brick, Bronson Ave., to Hill & Petos, Pershing Sq. Bldg. Archts. est. $150,000.

Calif., Los Angeles—APARTMENT—D. Habes, 6 story and basement, 75 x 120 ft., brick and steel, to B. Gagan, 2205 5th Ave., approximately $165,000.

Calif., Los Angeles — APARTMENT — Welburman Co., 1114 Stock Exch. Bldg., 5 story and basement, brick, South Loma Dr., to Wright Co., 3875 Wilshire Blvd., approximately $165,000.

Calif., Los Angeles — HOTEL — C. L. Hill, archt., 2690 North Beachwood Dr., 2 and 3 story, 270 x 300 ft., brick and tile, Roosevelt Highway at Dana Point, to Western Constr. Co., 3105 Beachwood Dr., $350,000. Noted Aug. 25.

Calif., Norwalk—PATIENTS—G. B. McDougall, state archt., Forum Bldg., Sacramento, general contract patients building, rein.-con., to H. Mayson, 229 Euclid Ave., Long Beach, $139,375. Noted Sept. 29.

Calif., Palo Alto—STORE and OFFICE—Hare, Brewer & Clark, University Ave., 4 story and basement, concrete, to W. P. Goodenough, 310 University Ave. Noted Nov. 3.

Calif., San Francisco—APARTMENT—J. D. Hannah, 825 Sansome St., will build 6 story and basement, rein.-con., Pacific Ave., by day labor. $150,000. E. E. Young, 2002 California St., archt.

Calif., Stockton—HOSPITAL—State Dept. Pub. Wks., Div. of Architecture, general contract Farm Cottage Buildings 5, 6 and 7, 2 story, rein.-con., to J. E. Branagh, 184 Perry St., Oakland, $153,000. Noted Nov. 3.

Ont., Toronto—APARTMENT HOTEL—Ramsey Stewart & Co., Northern Ontario Bldg., general contract Queens Park Plaza, 15 story and basement, 100 x 120 ft., rein.-con., brick, steel and stone, plain foundation, Avenue Rd. and Bloor St. W., to Yolles & Rotenberg, 85 Richmond St. W.; excavation, to Lioni & Co., 1411 Dufferin St. Archts. est. $2,000,000. Noted

B. C., Vancouver—APARTMENT—Vancouver Holdings, Ltd., 402 Pender St. W., 5 story and basement, 60 x 110 ft., rein.-con. and stucco, plain foundation, Nicola and Pendrell Sts., to Dominion Constr. Co., Ltd., 509 Richards St., $160,000.

Buildings—Industrial

Proposed Work

N. H., Nashua — PUBLISHING and PRINTING PLANT — Telegraph Publishing Co., 52 Main St., plans 2 story, brick, plain foundation, Main St. $40,000 or more. Hutchins & French, 11 Beacon St., Boston, Mass., archts.

Mass., North Woburn (mail Woburn)—PLANT—Hopkinson Jappaning Co., c/o M. Kaplin, 123 Gardner Rd., Brookline, plans rebuilding plant, recently destroyed by fire, here. $100,000. Engineer and architect not selected.

Mass., Watertown—CLEANING PLANT—Alexander Bros., 155-157 Auburn St., had plans prepared by A. D. Bogosian, 169 Jewett St., Providence, R. I., 2 story, brick, plain foundation, Grove St. and Calvin Rd. $40,000.

Mass., Worcester—SHOWROOM, SERVICE and REPAIR GARAGE—Nash Auto-

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Buildings—Industrial (Continued)

mobile Agency, 747 Main St., having plans prepared by Frost Chamberlain & Edwards, 390 Main St., brick, Park Ave. $75,000.

Conn., Norwalk — FACTORY — E. H. Hotchkiss Co. 6-12 Hoyt St., having plans prepared by Ballinger Co., 105 South 12th St., Phila., Pa., brick factory unit, Hoyt St. $75,000.

Conn., South Norwalk — MACHINERY FACTORY—Nash Eng. Co., Wilson Rd., plans addition. $40,000 or more. Engineer and architect not selected.

N. Y., Brooklyn—CEMENT PRODUCTS FACTORY — Semloh Constructing Co., Kings Highway, plans cement products factory, 69th St. and Avenue Y. $40,000. Engineer and architect not selected.

Pa., Phila. — FACTORY — E. H. Poggi, archt., Equitable Bldg., soon lets contract 2 story and basement, 25 x 75 ft. and 107 x 125 ft., rein.-con., and brick, plain foundation, 1238-46 Belmont Ave., for York Ice Mchry. Co., c/o architect.

Md., Baltimore — MILL and WAREHOUSE — Baltimore Copper Smelting & Rolling Co., Canton, plans 1 story, 108 x 396 ft., steel mill, 5th Ave. and 8th St., and 1 story, 42 x 140 ft., steel warehouse, Clinton Ave. and Fourth St. $165,000.

La., Baton Rouge—CHEMICAL PLANT —Louisiana Chemical Co., plans plant addition. $250,000.

La., Lake Charles—ICE PLANT—Gulf States Utilities Co., C. H. Meeks, supt. plant, having preliminary plans prepared 80 ton capacity ice plant, brick, steel and concrete, here. $150,000 incl. machinery. Private plans.

La., New Orleans — BAG FACTORY — Werthan Bag Co., c/o M. and J. Werthan, 1200 Clinton St., Nashville, Tenn., plans 2 story, 112 x 175 ft., brick and steel, 40,000 sq.ft. floor space, Front and Thalia Sts. $150,000.

Tenn., Cookeville — HYDRO-ELECTRIC PLANT—City having plans prepared 1,000 h.p. addition to hydro-electric plant, impounding reservoir and 30 ft. concrete. $200,000. J. A. Switzer, Knoxville, engr.

Tenn., Nashville—OXYGEN PLANT—Kentucky Oxygen-Hydrogen Co., Logan and Goss Sts., plans oxygen plant, 25th and Cedar Sts. $150,000.

O., Canton—STORAGE—Everhard Mfg. Co., 1592 7th St. S. W., soon takes bids 1 story and basement, 72 x 102 ft. addition. $40,000.

Ind., Evansville — SERVICE and GARAGE—F. J. Friday, c/o F. L. Schlotter, archt., 113½ Upper 4th St., having plans prepared 50 x 144 ft., brick and steel, Indiana Ave. near Main St. $46,000. Krauss Laundry Co., 1307 Main St., lessee.

Ind., Ft. Wayne — FACTORY — Truck Eng. Co., c/o R. Spaulding, East Pontiac St., having plans prepared by G. Mahurin, 425 Standard Bldg., 1 story, 60 x 100 ft., brick and steel factory. $40,000.

Ind., Ft. Wayne — PAPER PLANT — Fisher Bros. Paper Co., 120 West Columbia St., having plans prepared by A. M. Strauss, 415 Cal-Wayne Bldg., 3 story, 40 x 150 ft., rein.-con. and brick, Clinton and Columbia Sts. $46,000.

Mich., Detroit—GARAGE—Detroit Garages, Inc., 510 Cass Ave., purchased site and plans 10 story, 90 x 110 ft., and 50 x 130 ft., rein.-con. and brick, plain foundation, Cass Ave. $400,000. Engineer and architect not announced.

Mich., Saginaw—ICE CREAM PLANT—M. & B. Ice Cream Co., Water and Johnson Sts., having plans prepared by S. C. Allen, 204 Eddy St., 3 story, 60 x 85 ft., rein.-con. and brick, plain foundation, Water St. $50,000.

Minn., Cloquet—FACTORY—Northwestern Paper Co. plans group 2 and 3 story, brick and steel factory buildings. $1,000,000. Jacobson Eng. Co., 904 Plymouth Bldg., Minneapolis, engrs.

Neb., Harvard—LIGHT PLANT—Grant, Fulton & Letton, engrs., 525 South 13th St., Lincoln, preparing plans complete light plant, incl. Diesel engines, for City. $59,000 bond election soon for same.

Mo., St. Louis—CLEANING and DYEING—Star Dyeing & Cleaning Co., 2515 North Grand Blvd., soon takes bids 2 story and basement, 74 x 91 ft., rein.-con., brick, stone and terra cotta, 2515 North Grand Blvd. $60,000. F. A. Ludewig & Co., 509 Dickman Bldg., archts.

Tex., Borger (Plemons P. O.)—GASOLINE REFINERY—Phillips Petroleum Co., Bartlesville, Okla., purchased plant and properties of Alamo Refining Co., here, and

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plans enlarging same from 2,000 bbl. to 7,500 bbl. daily capacity, etc. $150,000. Private plans. Noted Nov. 3.

Tex., Corpus Christi — PRINTING PLANT—See "Buildings—Commercial."

Tex., Houston—WAREHOUSE—Universal Terminal Warehouse, 1006 Washington St., having plans prepared by R. D. Steele, 1st Natl. Bank Bldg., 2 story, 150 x 257 ft., warehouse, Washington and Elder Sts. $150,000.

Tex., New Braunfels—GAUZE PLANT—Texas Gauze Mills, c/o A. W. C. Bergfield, having plans prepared and takes bids after Jan. 1, 120 x 280 ft., steel and concrete plant. $75,000. Private plans.

Tex., San Benito — BRICK PLANT — Hinkly Brick & Tile Co., c/o W. B. Hinkly, plans enlarging brick plant, La Palomo Rd., near here. $50,000. Private plans.

Okla., Ponca City—REFINERY, etc.—Empire Refineries, Batesville, plans refinery improvements and equipment, here. $850,000. Private plans.

Wash., Spokane—HYDRO-ELECTRIC PLANT—Inland Pulp & Paper Co., Millwood, takes bids after Dec. 1 (selected list of contractors), 2 hydraulic electric plants, incl. dams, power houses, canal, etc., on Spokane River, 8 mi. east of here. Holland, Ackerman & Holland, 53 West Jackson Blvd., Chicago, Ill., engrs.

Calif., Huntington Park (br. Los Angeles) —FACTORY—Ensign Carburetor Co., 217 East 17th St., Los Angeles, plans factory, on approximately 100x200 ft. site, Alameda and Florence Aves., here. $50,000. Engineer and architect not selected.

Calif., Richmond — DISTRIBUTING PLANT — Petroleum Securities Co., Petroleum Securities Bldg., Los Angeles, plans dsitributing plant, Pt. Potrero, here. $2,000,000. Eng. Dept. of Owners, engrs.

Calif., San Francisco — FACTORY — Simon Mattress Mfg. Co., 1900 16th St., plans probably rein.-con., Yosemite Ave. near Armstrong Ave. To exceed $40,000. Engineer and architect selected soon.

Ont., Hamilton—BAKERY and WAREHOUSE—Ideal Bread Co., Sandford Ave. S., had plans prepared by S. Comber, 284 Beaver Hall Hill, Montreal, Que., and soon lets contract 3 story and basement, 80 x 120 ft., rein.-con. and brick, plain foundation, King St. and Sanford Ave. $150,000. Noted Feb. 10.

Ont., Leamington — FACTORY — H. J. Heinz & Co. having plans prepared 3 story and basement, 125 x 185 ft., rein.-con., brick and steel addition, plain foundation. $175,000. Private plans. Noted Oct. 27.

Ont., London — BOTTLING PLANT — John Labatt Ltd., Simcoe St., E. Burke, mgr., having plans prepared by J. Schultz, 1370 Main St., Buffalo, N. Y., bottling plant addition. $50,000.

Ont., London — FACTORY — Supersilk Hosiery Mills, G. Thompson, mgr., had plans prepared by L. G. Bridgeman, Royal Bank Bldg., 1 story, 100x100 ft., brick, Florence St. $75,000.

Ont., New Toronto — RUBBER FACTORY — Goodyear Tire & Rubber Co. of Canada had plans prepared 4 story and basement, 100 x 125 ft., rein.-con., brick and steel addition, Lake Shore Rd. $175,000. Private plans.

Bids Desired

Me., Wilton—PLANT—Wilton Woolen Co. taking bids 2 and 3 story and basement, 50 x 60 ft. and 70 x 110 ft., brick, steel and wood, addition, plain foundation, Lockwood, Greene & Co. Inc., 24 Federal St., Boston, engrs.

Mass., Brockton — REFRIGERATION PLANT — Cudahy Packing Co., 37 Merchants Row, Boston, taking bids 1 and 2 story, 50 x 150 ft., brick and wood, plain foundation, North Montello St. $50,000. Private plans.

Mass., Cambridge (Boston P. O.) — STOREHOUSE — Lever Bros. Co., 164 Bway., taking bids 5 story, 80 x 165 ft., rein.-con. and brick addition, plain foundation. To exceed $40,000. C. T. Main, 201 Devonshire St., Boston, engr.

Mass., Haverhill — FACTORY — Owner, c/o C. V. Badger, 191 Merrimack St., taking bids 2 story, 60 x 110 ft. acid manufacturing factory, rein.-con. and steel, plain foundation, $65,000. Noted Nov 3.

Mass., Roxbury (Boston P. O.)—ELECTRIC SUB-STATION — Edison Electric Illuminating Co., 39 Boylston St., Boston, taking new bids 1 story, 45 x 75 ft. rein.-con., brick and steel plain foundation, Humboldt Ave. $40,000. Former bids rejected. Bigelow & Wadsworth, 120 Tremont St., Boston, archts. Noted June 2.

Mass., West Springfield (br. Springfield) —POWER PLANT—Boston & Albany R.R., G. A. Kirley, ch. engr., South Sta., Boston, taking bids 1 story, 50 x 115 ft., brick, steel and stone, plain foundation, here. To exceed $40,000. Densmore, Leclear & Robbins, Park Sq. Bldg., Boston, archts. Noted Sept. 22.

Mass., Worcester—WAREHOUSE—C. E. Strehan, engr., 112 West 42nd St., New York City, taking bids 2 story, 145 x 335 ft., rein.-con., 191 Hudson St., here for Melville Shoe Corp., 191 Hudson St., New York City. To exceed $150,000.

N. J., Hoboken — FUR RENOVATING FACTORY — See "Contracts Awarded"

Pa., Chester—FACTORY—Nov. 22 by Ballinger Co., archts., 12th and Chestnut Sts., Phila., 3 story and basement, 59 x 140 ft., rein.-con. and brick, plain foundation, 4th and Engle Sts., for H. H. Ward, 4th and Engle Sts. Noted Nov. 3.

Pa., Clearfield—KILNS—See "Contracts Awarded."

Pa., McKeesport — PLANT — Columbia Radiator Co. taking bids 1 story, 80 x 200 ft., brick and steel addition, here. $50,000. Private plans.

Pa., Phila. — FACTORY — Nov. 23, by Ballinger Co., archts., 12th and Chestnut Sts., 1 and 3 story and basement, 52 x 91 ft., rein.-con. and brick addition, Richmond and Kennedy Sts., for C. Lenning & Co., Inc., Richmond and Kennedy Sts.

Tenn., Nashville — GARAGE and MACHINE SHOP — Nov. 28, by Davidson Co. Hy. Comn., F. M. Dorris, chn., Nashville, brick, cement and steel garage and machine shop, 5th and Hitt Sts. Asmus & Clark, Stahlman Bldg., archts. Archts. est. $125,000.

Mich., Grand Rapids—POWER PLANT —Turner & Thebaud, archts., Grand Rapids, taking bids 2 story, rein.-con., brick and steel, plain foundation, for Amer. Laundry Co., 634 Division St. S. $125,000.

Ill., Chicago—ALUMINUM FOUNDRY—A. A. Wickland & Co., engrs., 5 South Michigan Ave., taking bids masonry contract 1 and 2 story, 125 x 365 ft., brick, 36th Pl. and California Ave., for Advance Pattern & Fdry. Co., 2734 West 36th Pl. $125,000. Bids soon on plumbing, heating, etc. Noted Oct. 20.

Neb., Omaha—SERVICE—Allen & Wallace, archts., 224 Brandies Theatre Bldg., taking bids 3 story and basement, 36 x 99 ft., brick service, 18th and Howard Sts., for Nebraska Buick Auto Co., 502 South 19th St. $100,000.

Contracts Awarded

Me., Lewiston — POWER HOUSE — Androscoggin Electric Co., brick and steel power house, additions to head works, and tail race, to M. C. Tuttle Co., 862 Park Sq. Bldg., Boston, Mass.

N. H., Nashua—FACTORY—A. J. Haug, Taylor Rd., 1 story, 50 x 65 ft., brick and timber, plain foundation, Taylor Rd., to Nashua Building Co., 95 Temple St., Nashua.

Mass., Arlington — GARAGE and REPAIR SHOP—H. L. Frost Co., 20 Mill St., 2 story, 60 x 70 ft., rein.-con., brick and steel, plain foundation, Mill St., to Scully Co., 283 Main St., Cambridge. Archts. est. $40,000. Noted Nov. 3.

Mass., Chestnut Hill (Ind. br. Boston)— VENEER HOUSE—O. Howes, Esq., 20 room veneer house, brick, Hammond St. and Pine Rd., to M. C. Tuttle Co., 862 Park Sq. Bldg., Boston, Mass.

Mass., Hyannis — SERVICE GARAGE, REPAIR SHOP and SHOW ROOM — J. H. Connelly, Depot Sq., 1 story, brick and steel, plain foundation, Centre St., to H. Peterson, Chatham. Archts. est. $40,000. Private plans. Noted July 14.

Mass., Medway—FACTORY—Stone Mill Co., Main St., 1 story, 60 x 125 ft., timber addition, concrete foundation, to A. P. Clarridge & Son, 280 Purchase St., Milford. Private plans.

Mass., Newburyport — SERVICE STATION, SALESROOM and REPAIR SHOP— Henchey Motor Co., 1 story, 75 x 90 ft., brick and steel, plain foundation, Bridge Rd., to Cashman Bros., 75 Water St. Archt. est. $45,000.

Mass., Roxbury (Boston P. O.)—MANUFACTURING—Hub Advertising Co., 1693 Columbus Ave., 1 story, 60 x 100 ft., brick and steel, plain foundation, to F. A. Cundari, 27 School St., Boston.

Mass., West Roxbury (Sta. Boston) — MACHINE SHOP—L. W. Moody, 29 Gould St., 1 story, 50 x 70 ft., rein.-con. and

Buildings—Industrial (Continued)

brick, plain foundation, Willow St., to R. J. MacDonald, 1822 Centre St.

Mass., Worcester — MACHINE SHOP — M. J. Whittall Associates, 2 story, 60 x 2[illegible] ft., brick machine shop, winding and finishing building, to M. C. Tuttle Co., 862 Park Sq. Bldg., Boston, Mass.

R. I., Bristol—MILL—Cranston Worster Mills, 180 Thames St., 2 story, brick addition, to Rowley Constr. Co., 260 Central Ave., Pawtucket. Archts. est. $40,000.

R. I., Providence — MILL — Wanshuck Co., 725 Branch Ave., 2 story, 50 x 65 ft., brick addition, plain foundation, to Cruise Constr. Co., 19 Dexter St., Pawtucket.

N. J., Hoboken — FUR RENOVATING FACTORY — J. M. Ryan, 1414 Adams St. will build 3 story and basement, 55 x 100 ft. brick and steel, plain foundation, 1113-15 Clinton St. $40,000. Work will be done by separate contracts. P. A. Vivarttas, 110 48th St., Union City, archt. Noted Nov. 10.

Pa., Clearfield—KILNS—Harbison Walker Refractories Co., Farmers Bank Bldg., Pittsburgh, will build superstructure two one story, 80 x 400 ft. steel, here. $750,-000. Work will be done by separate contracts. Approximately 400 tons steel for above, to J. & L. Steel Corp., Pittsburgh.

Ky., Louisville — FACTORY — Corhart Refractories Co., Starks Bldg., 2 story, 5 acre ft. floor space, brick and steel, 16th and Lee Sts., to L. W. Hancock Co., Louisville Trust Bldg. Engrs. est. $150,000.

O., Cleveland—CHEMICAL PROCESS—Grasselli Chemical Co., Guardian Bldg., 1 story, 65 x 126 ft., steel, Independence Rd., to Forest City Structural Steel Co., West 110th St. Archts. est. $60,000.

O., Cleveland — FREIGHT HOUSE — Nickel Plate R.R., Columbia Bldg., 1 story, 80 x 460 ft., brick, steel and concrete, Bway., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $150,000.

Ind., Ft. Wayne—FACTORY—General Electric Co., 1635 Bway., general contract 1 story, 90 x 120 ft., rein.-con., brick and steel, Winter Ave., to Indiana Eng. Co., 201 Central Bldg. Archts. est. $60,000.

Ind., Ft. Wayne—ELECTRICAL PLANT —W. K. Noble, general contract brick and steel, 1740 Lafayette St., to H. J. Kaiser, 1728 Spy Run St. Archts. est. $42,000.

Ind., Ft. Wayne—SERVICE and MACHINE SHOP—G. L. Ohmart Co., 220 Cooper Bldg., general contract 1 story and basement, 35 x 150 ft., brick, 340 East Berry St., to Champion Building Co., Ft. Wayne. Archts. est. $43,000.

Ind., Hammond—LAUNDRY PLANT—Hammond Wet Wash Co., 50x120 ft., brick and steel, 827 Columbia Ave., to Austin Co., 510 North Dearborn St., Chicago, Ill. Archts. est. $44,000.

Ind., Hammond — FACTORY — Taylor Chain Co., 140 South Dearborn St., Chicago, Ill., 2 story, 40x120 ft., brick, steel and stone, Clark and 141st St., here, to Chicago Industrial Constr. Co., 53 West Jackson Blvd., Chicago, Ill. Archts. ets., $45,000.

Ind., Indianapolis—SERVICE—Western Oil Co., 310 North Meridian St., 1 story, brick and steel, 330 East 22nd St., to J. G. West, 208 Castle Hall. Archts. est., $40,000.

Ind., Lafayette—PLANT—Coca-Cola Co., brick and steel plant, to F. Vesper, Lafayette. Archts. est., $50,000.

Ind., Lafayette—SHOP and GARAGE—J. F. Horner, 70x112 ft., rein.-con. and brick shop and garage, to Anderson & Ulrney, Lafayette. Archts. est., $43,000.

Mich., Detroit—POWER PLANT—Chevrolet Motor Corp., West Grand Blvd., 1 and 2 story, 47 x 84 ft., rein.-con., brick and steel addition, plain foundation, East Euclid Ave., to Martin Kraussman Co., 955 East Jefferson Ave.

Mich., Lansing—FACTORY—Oldsmobile Motor Co., 1 story, 90 x 400 ft. rein.-con., brick and steel addition, plain foundation, to Reniger Constr. Co., 127 North Cedar St. Noted Aug. 25.

Ill., Chicago—SOAP FACTORY—A. B. Wrisley Co., 529 South Franklin St., 1 story, 120 x 250 ft., brick, West 65th St. and Oak Park Ave., to Foltz & Co., 510 North Dearborn St.

Ill., Chicago—MACHINE SHOP—A. Epstein, archt., 2001 West Pershing Rd., general contract 1 story, brick, 3531-45 West 47th St., to Poirot Constr. Co., 38 South Dearborn St., for Sherman-Klove Co., 4640 West Harrison St. Noted Oct. 20.

Ill., Chicago—SOAP FACTORY, etc.—J. S. Kirk & Co., 1232 West North Ave., general contract Unit B, 8 story and basement, 75 x 206 ft. soap factory, 4 story and basement, 56 x 110 ft. glycerine plant, and 1 story and basement, 102 x 140 ft. tallow terminal, West North Ave. and Chicago River, to Avery Brundage Co., 110 South Dearborn St. Archts. est. $1,000,000.

Ill., East St. Louis—MILK DISTRIBUTING PLANT—N. C. Davis, archt., 4908 Delmar Blvd., St. Louis, Mo., general contract 90 x 90 ft. stable, 40 x 110 ft. wagon shed, and 55 x 100 ft. garage, all 1 story, also 2 story, 30 x 100 ft. office and cooler building, all rein.-con. and timber, Ridge and Wimmer Sts., here, to Fruin-Colnon Constr. Co., Merchants-Laclede Bldg., St. Louis, Mo., for Highland Dairy Farms Co., B. F. Tschannen, secy., 4321 Chouteau Ave., St. Louis, Mo. Approximately $100,-000. Noted Nov. 3.

Kan., Wichita — WAREHOUSE — Crane Co., 836 South Michigan Ave., Chicago, Ill., general contract 2 story and basement, 80 x 140 ft., rein.-con., 1st and Santa Fe Sts., here, to Blaser-Vollmer Constr. Co., Wichita, $69,000.

Neb., Fremont—CREAMERY—Farmers Union Co-operative Creamery, 2 story and basement, 44 x 80 ft., brick and rein.-con., to Teas Constr. Co., 949 Morrell St. Archts. est. $50,000.

Calif., Los Angeles—FACTORY—Cochise Rock Drill Mfg. Co., 273 West 115th St. (1st unit), 1 story 100 x 100 ft., steel and corrugated iron, 6230 East Slauson Ave., in Laguna Maywood Industrial tract, to Union Iron Wks., 5125 Santa Fe Ave., $350,000.

Calif., San Diego—LAUNDRY—Original French Laundry, 702 Front St., 2 story, 100x150 ft., rein.-con., 10th St. and University Ave., to Trepte & Sons, 1456 J St., $100,000. Noted Nov. 3.

Calif., Rialto — PACKING PLANT — Rialto Co-Operative Citrus Assn., 1 story, 100 x 125 ft., brick and steel, to Austin Co. of California, 777 East Washington St., Los Angeles.

Philippine Islands — SUGAR CANE MILL—Compania General de Tabacoa de Filipinas, Barcelona, Spain, turbo-generators, lighting, and other electrical apparatus for sugar cane mill, here, to General Electric Co., River Rd., Schenectady, N. Y.; and steel and glass buildings to house machinery, to U. S. Steel Corp., 71 Bway., New York City. Noted June 30.

Buildings—Educational, Religious

Proposed Work

Vt., Rutland — HIGH SCHOOL — City, A. W. Perkins, mayor, City Hall, having revised plans prepared by A. G. Creighton, 140 State St., New London, Conn., 3 story and basement, 200 x 215 ft., brick and stone, plain foundation, Church St. $300,-000. Former contract rescinded, R. D. Kimball Co., 6 Beacon St., Boston, Mass., engr. Noted Nov. 3.

Mass., Allston (Sta. Boston) — AMUSEMENT PALACE—C. Chironis, 1335 Beacon St., Brookline, having preliminary sketches made by G. N. Jacobs, 37 Providence St., 2 story, 170 x 170 ft., rein.-con., brick and stucco, plain foundation, Soldiers Field, here. $500,000.

Mass., Arlington (br. Boston) — SCHOOLS—Town, School Comn., plans additions to West Junior High and Pierce Schools. To exceed $150,000. Engineer and architect not selected.

Mass., Billerica — SCHOOL and AUDITORIUM—Town, M. A. Buck, chn. Building Com., Concord Ave., having sketches made by J. E. Allen, 283 Essex St., Lawrence, 2 story and basement, brick and stone, plain foundation. $150,000. Noted Aug. 4.

Mass., Boston—SCHOOL—City, Schoolhouse Dept., City Hall, having plans prepared by Funk & Wilcox, 26 Pemberton Sq., 3 story and basement, brick, limestone and granite, plain foundation, Camden St., Everett Dist.-South End. $700,000.

Mass., Brighton (Boston P. O.)—HIGH SCHOOL — City of Boston, Schoolhouse Dept., City Hall, having plans prepared by O'Connell & Shaw, 134 Newbury St., Boston, 3 story and basement, brick and limestone, plain foundation, Bennett Dist., here. $1,539,000.

Mass., Mattapan (Sta. Boston)—SCHOOL —City of Boston, Schoolhouse Dept., City Hall, having sketches made by Desmond & Lord, 1 Beacon St., Boston, 3 story and basement, brick, granite and limestone, plain foundation, Wellington Hill St., here. $600,000. Noted Apr. 21.

Mass., Medford (br. Boston) — THEOLOGICAL — Tufts College Theological School, L. S. McCollester, having plans prepared by Andrews, Jones, Biscoe & Whittmore, 50 Congress St., Boston, reconstructing and altering 2 story and basement, brick and limestone theological buildings, incl. chapel, library and halls. $160,000. R. D. Kimball Co., 6 Beacon St., Boston, engrs.

Mass., Newtonville (Ind. br. Boston) — HIGH SCHOOL—City of Newton, E. O. Childs, mayor, City Hall, plans altering and constructing two 2 story wings and auditorium addition, probably brick and steel, Walnut St., here. $150,000 or more. Engineer and architect not selected.

Mass., Northampton — SCHOOL — City, Superintendent Schools, 290 Main St., plans 2 story and basement, brick and stone, Florence Dist. $150,000 or more. Engineer and architect not selected.

R. I., Providence—SCHOOL and RECTORY—Holy Name Parish, A. Malone, pastor, having preliminary plans prepared by O'Malley & Fitzsimmons, 84 Broad St., Pawtucket, 2 story and basement, brick, Camp St. $150,000.

Conn., Bridgeport—CHURCH—St. Mary's Church, M. E. Wilson, pastor, having plans prepared by H. F. Ludorf & W. Berg, 410 Asylum St., Hartford, 1 story and basement, brick & stone Pembroke St. $150,000.

N. Y., New York—SCHOOL—Children's University, 10 West 72nd St., having plans prepared by R. H. Dana, Jr., 350 Madison Ave., 9 story and basement, brick and steel, plain foundation, 114 East 89th St. This corrects report in Oct. 27 issue.

N. Y., New York—HIGH SCHOOL—Bd. Educ., 500 Park Ave., had plans prepared by W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, Seward Park Senior High School, 6 story and basement, on 160 x 288 ft. site, 62 Ludlow St., here. $2,050,000. Noted Feb. 17.

N. J., Asbury Park—CHURCH—Owner, c/o A. P. Nucciarone, 206 Central Ave., Orange, having plans prepared 1 story and basement, 60 x 100 ft., brick, steel and stone, plain foundation, here. $150,000.

N. J., Belmar — SCHOOL — Bd. Educ. having plans prepared by J. Pierson & Son, 200 Jefferson St., Perth Amboy, brick and steel, plain foundation. $150,000.

N. J., Irvington (br. Newark)—SCHOOL —Bd. Educ., 1253 Clinton Ave., having plans prepared by G. C. Higby, 207 Market St., Newark, 2 story and basement, brick and steel addition, plain foundation, Florence Ave. $150,000.

N. J., Kearny — SCHOOL — Bd. Educ., Town Hall, plans brick and steel, plain foundation, Wilson and Schuyler Aves. $150,000. Engineer and architect not selected.

N. J., North Arlington (mail Arlington)—SCHOOLS—Bd. Educ., Arlington, having sketches made by J. F. Osborne, 81 Sunset Ave., kearny, two 1 story and basement, brick and steel, plain foundations, Hudson Terrace and Prospect St. $150,-000. Noted Nov. 10.

W. Va., Fairmont—SCHOOLS—Bd. Educ. soon takes bids two 3 story, rein.-con., brick and stone high schools, also additions to 2 schools. $1,000,000. Noted May 19.

La., New Orleans — COLLEGE — St. Aloysius College, Esplanade Ave., having plans prepared by A. S. Monty, 740 Poydras St., college addition. $150,000.

Tenn., Knoxville — EDUCATIONAL — State Bd. Educ., Nashville, H. A. Horton, gov., State Capitol, plans expending $2,000,-000 new buildings, incl. library $400,000, 2 dormitories $200,000 each, gymnasium, administration, college, engineering, biology and science buildings, $200,000 each, here, for University of Tennessee, H. O. Morgan, pres.

Tenn., Memphis — MEDICAL and SCIENCE — State Bd. Educ., Nashville, H. A. Horton, gov., State Capitol, plans expending $500,000, for science and medical buildings, here, for University of Tennessee, Knoxville, H. O. Morgan, pres.

Ky., Louisville—SCHOOL—Bd. Educ. having plans prepared by J. M. Cooley, c/o owner, 4 story, brick and Indiana limestone, plain foundation, 1,500 seating capacity with 1,200 seating capacity auditorium, etc. 40th and Herman Sts. $800,000.

Ky., Louisville—CHURCH—Holy Cross Church, 32nd St. and Bway., having plans

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Buildings—Educational, Religious (Cont.)

prepared by T. J. Nolan, Inter-Southern Bldg., brick, stone and terrazo, plain foundation, 1,000 seating capacity, 31st St. and Bway. $250,000.

O., Cleveland Heights (Warrensville P.O.) —SCHOOL—Bd. Educ., W. G. Nesbit, clk., 1781 Lee Rd., Cleveland, having plans prepared by J. H. Graham & Co., 1612 Euclid Ave., Cleveland, 2 story and basement, brick, steel and concrete, Princeton Rd. $250,000.

O., Jackson—HIGH SCHOOL—Bd. Educ. had plans prpeared by G. Scott, Norwalk, 2 story and basement, approximately 125 x 230 ft. high school. $250,000 bonds voted for same.

Ind., Ft. Wayne — SCHOOL — Lakeside Catholic Church, 132 East Berry St., had plans prepared by J. G. Steinbach, 155 North Clark St., Chicago, Ill., 3 story and basement, 80 x 140 ft., rein.-con., brick, steel and stone, Delaware and Kentucky Sts. $150,000. This corrects report in Oct. 13 issue.

Ind., Mishawaka—SCHOOL—Bd. Educ. having plans prepared by Hamilton, Fellows & Wilkinson, 814 Tower Court, Chicago, Ill., 2 story, brick school. $200,000. Noted Oct. 27.

Mich., Brighton—SCHOOL—Bd. Educ. had plans prepared by Verner, Wilhelm & Molby, 824 Book Bldg., Detroit, 2 story and basement, irregular shaped, rein.-con., brick and steel, plain foundation. $175,000.

Mich., Grosse Pointe Farms (mail Grosse Pointe)—SCHOOL—Sacred Heart Convent having plans prepared by Maginnis & Walsh, 100 Boylston St., Boston, Mass., 2 story and basement, rein.-con., brick and steel, plain foundation, Lake Shore Dr. $150,000.

Mich., Highland Park (br. Detroit) — CHURCH — St. Benedicts Roman Catholic Church, Chandler Ave., had plans prepared by Donaldson & Meier, 1310 Penobscot Bldg., Detroit, 1 and 2 story and basement, 1,400 seating capacity, brick, steel and stone, plain foundation, Candler Ave. $150,000.

Mich., Muskegon—CHURCH and PARISH HOUSE—Central Ave. Methodist Episcopal Church having plans prepared by E. M. Vanderwert & Child, Montgomery Blk., 1 and 2 story and basement, brick, steel and stone, plain foundation, 2nd St. $150,000.

Mich., Pontiac — HIGH SCHOOL—Bd. Educ. plans 2 story and basement, rein-con., brick, steel and stone addition to Central High School, plain foundation, $175,000. Engineer and architect not selected.

Mich., Pontiac — CHURCH — Central Methodist Episcopal Church, W. F. Crossland, pastor, purchased site and plans 2 story and basement, rein.-con., brick and steel, plain foundation, West Huron St. $350,000. Engineer and architect not announced.

Mich., Ubly—SCHOOL—Bd. Educ., J. G. McKay, supt., having plans prepared 2 story and basement, 14 room, rein.-con., brick and steel, plain foundation. $150,000. Engineer and architect not selected.

Ill., Carbondale — SCIENCE and MANUAL ARTS — Southern Illinois Teachers College takes bids in 1928, 2 and 3 story and basement, rein.-con. and brick science and manual arts building. $250,000. W. J. Lindstrom, 568 Transportation Bldg., Chicago, archt. Noted May 27.

Ill., Mt. Carmel — HIGH SCHOOL — Bd. Educ., W. H. Wetzel, pres., takes bids in spring Junior High School, 3 story, rein.-con. and brick and stone. $150,000. Engineer and architect not announced.

Kan., Dodge City—HIGH SCHOOL—Bd. Educ., takes bids after Nov. 22, 2 story and basement, rein.-con., brick, stone and terra cotta high school. $250,000. Mann & Co., 721 Rorabaugh-Wiley Bldg., Hutchinson, archts. Noted Oct. 13.

Neb., Lincoln — HIGH SCHOOL — Bd. Educ., c/o I. G. Ludlam, secy., 15th and N Sts., having plans prepared by Davis & Wilson, 525 South 13th St., Junior High School, 2 story and basement, 130 x 265 ft., brick and rein.-con., incl. 2 gymnasiums, cafeteria, laboratories, auditoriums, etc., 11th and B Sts. $300,000.

Ark., Ft. Smith—CONVENT—St. Scholatica Convent, Tulsa, Okla., having preliminary plans prepared by F. W. Redlick, Court Arcade Bldg., Tulsa, Okla., 4 story and basement, 90 x 100 ft., rein.-con., brick and stone plain foundation. $250,000.

Tex., Corpus Christi—HIGH SCHOOL—Independent School Dist., c/o Secretary, having plans prepared by Hardy & Curran, 709 Nixon Bldg., Junior High School, brick, stone, steel, terra cotta and hollow tile. $243,000.

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Tex., Denton—DORMITORY—College of Industrial Arts, c/o L. H. Hubbard, pres., Bd. of Regents, plans fireproof dormitory. $160,000. Engineer and architect selected soon.

Tex., Harlingen — HIGH SCHOOL — Voted $280,000 bonds, high school, for Bd. Educ., c/o R. B. Hamilton, secy. Page Bros., Brownsville, archts. Noted Nov. 10.

Tex., Houston—CHURCH—South End Christian Church, 4000 South Main St., having plans prepared by Hedrick & Gottlieb, Post Dispatch Bldg., church, Main St. $250,000.

Okla., Allen—HIGH SCHOOL—Bd. Educ. had preliminary plans prepared 3 story and basement, rein.-con. and brick, plain foundation, 2nd St. $160,000. Engineer and architect not selected.

Okla., Duncan — CHURCH — Christian Church, F. D. Sheilds, pastor, having preliminary plans prepared rein.-con. and brick, plain foundation, Pecan St. $160,000. Engineer and architect not selected.

Okla., Holdenville—CHURCH—Catholic Church having preliminary plans prepared by C. L. Monott, 1304 West 10th St., Oklahoma City, 1 story, rein.-con. and brick, plain foundation, 5th St. $175,000.

Okla., Oklahoma City—HIGH SCHOOLS —Bd. Educ., J. G. Stearley, secy., having plans prepared by Layton, Hicks & Forsythe, Braniff Bldg., Senior and 2 Junior High Schools, each 3 story and basement, rein.-con. and brick, plain foundations. $2,000,000.

Okla., Ponca City—EDUCATIONAL and DORMITORY—Marland Refining Co., soon lets contract, 1 and part 2 story and basement, 97 x 157 with 40 x 70 ft. wing educational building $155,000, and 2 story and basement, 48 x 219 ft. dormitory $160,000, both rein.-con., steel, tile and stucco, plain foundations, Forsyth Corp., Ponca City, engrs. and archts.

Okla., Perry—HIGH SCHOOL—Bd. Educ. having plans prepared by Hawk & Parr, Cotton Exch. Bldg., Oklahoma City, 3 story and basement, rein.-con. and brick, plain foundation, 4th St. $150,000.

Okla., Shawnee — SCIENCE — Oklahoma Baptist University had preliminary plans prepared 3 story and basement, rein.-con. and brick, plain foundation, on campus. $200,000. Engineer and architect not selected.

Okla., Tulsa—SCHOOL—Benedictine Sisters having sketches made by F. W. Redlick, Court Arcade, school. $175,000.

Calif., National City—SCHOOLS—Grammar School Dist. having revised plans prepared by Kistner & Co., Detwiler Bldg., Los Angeles, 2 grammar schools. Former bids rejected.

Calif., Pasadena — HIGH SCHOOL — Pasadena Jr. High School Dist., having plans prepared by Austin & Ashley, Chamber of Commerce Bldg., Los Angeles, Marshall Jr. High School annex., rein.-con. $150,000.

Calif., Petaluma—CHURCH—Methodist Church plans fireproof church, on 150 x 200 ft. site, 5th and D Sts. $150,000.

Que., Montreal—SCHOOL—Hebrew Sub Com. of United Talmud Torahs, 4456 St. Lawrence St., soon takes bids school. $250,000. Engineer and architect not selected.

Ont., Islington—HIGH SCHOOL—Etobicoke Township having plans prepared by S. B. Coon & Son, 4 St. Thomas St., Toronto, 3 story and basement, 109 x 122 ft., rein.-con., brick and steel, plain foundation. $160,000.

Ont., Sarnia—SCHOOL—Bd. Educ. having plans prepared by C. C. Woods, Imperial Bldg., and take bids about Dec. 1, 2 story and basement, 20 room, rein.-con., brick and steel, plain foundation, East End. $200,000. Noted Oct. 27.

Ont., Toronto—COLLEGE—St. Michaels College Bd., St. Joseph St., plans 3 story and basement, rein.-con., brick and steel, plain foundation, Elmsley Pl. and St. Joseph St. $500,000. Engineer and architect not selected.

Ont., Thorold — HIGH SCHOOL — High School Bd. having plans prepared by D. R. Franklin, 587½ Yonge St., Toronto, 2 story and basement, rein.-con., brick and steel addition, incl. gymnasium, plain foundation. $150,000.

Bids Desired

N. H., Manchester—SCHOOL—Our Lady of Perpetual Help Roman Catholic Church, c/o W. E. Provest, archt., 1061 Elm St., taking bids 2 story and basement, brick and stone, plain foundation, Haywood St. $150,000. Noted June 30.

Mass., Agawam—CHURCH—St. David's Church, M. E. Mott, pastor, taking bids 1 story and basement, brick and stone, plain foundation. $150,000. C. C. Coveney, 184 Boylston St., Boston, archt. Noted Aug. 18.

Mass., Somerville (br. Boston)—HIGH SCHOOL—Nov. 23 (extended date), by F. I. Cooper Corp., archts., 172 Tremont St., Boston, altering and constructing 2 and 3 story and basement, 75 x 165 ft., and 85 x 175 ft., brick, steel and stone addition, plain foundation, Highland Ave., for City, L. M. Conwell, mayor, City Hall. $1,250,000. Noted Nov. 3.

Mass., South Weymouth (Ind. Br. Boston)—HALL and RECTORY—Church of Holy Nativity, Columbian St., taking bids 2 story and basement brick and stone, plain foundation, Columbian St. $150,000. J. W. Beal Sons Co., 185 Devonshire St., Boston, archts.

R. I., Providence — CONVENT — St. Michaels Roman Catholic Church, c/o O'Malley & Fitzsimmons, archts., 84 Broad St., Pawtucket, taking bids 3 story and basement, brick and stone, plain foundation, Oxford and Gordon Sts., here. $150,000.

N. Y., Nyack—SCHOOL—Nov. 22, by Bd. Educ., Village Hall, general contract 2 story and basement, 150 x 250 ft., brick and steel, plain foundation, Midland and 5th Aves. $600,000. E. Sibley, Bluff Rd., Palisade, N. J., archt. Noted Oct. 6.

N. J., Dumont—SCHOOL—Nov. 22, by Bd. Educ., Boro Hall, general contract 2 and 3 story and basement, brick and steel, plain foundation, New Milford Ave. $425,000. Hacker & Hacker, Main St., Fort Lee, archts. Noted Aug. 18.

N. J., Union City—MONASTERY—W. E. Anthony, archt., 131 East 47th St., New York City, taking bids general contract 3 story and basement, brick and steel, plain foundation, West St., here, for St. Michael's Monastery, 381 West St. $500,000.

Pa., Pittsburgh—CHURCH—Nov. 21, by Holy Rosary Roman Catholic Congregation, Lang Ave. and Kelly St., and Cram & Ferguson, archts., 248 Boyleston St., Boston, Mass., limestone and steel, Lang Ave. $500,000. Noted Mar. 3.

W. Va., Fairmont—SCHOOLS—Dec. 20, by Bd. Educ., 3 story high school, 2 story grade school and two grade school additions, all rein.-con., brick and stone. $1,000,000. W. B. Ittner, Inc., 911 Locust St., St. Louis, Mo., archt.

Ind., Ft. Wayne—NURSES HOME—St. Josephs Hospital, 702 Bway., taking bids 3 story and basement, 67 x 132 ft., rein.-con., brick, steel and Indiana limestone, Berry and Van Buren Sts. $150,000. Pohlmeyer & Pohlmeyer, 260 Central Bldg., archts. Noted Oct. 13.

Ind., Richmond—SCHOOL—Nov. 30, by Bd. Educ., 2 story, brick school. $150,000. Hamilton, Fellows & Wilkinson, 814 Tower Court, Chicago, Ill., archts.

Mich., Detroit—SCHOOL—Nov. 28, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., Halley School, 3 story, rein.-con., brick and steel, plain foundation, Grove Ave. $400,475. Carey & Esselstyn, Hoffman Bldg., archts.

Contracts Awarded

Mass., Fall River — SCHOOL — City, Schoolhouse Dept., City Hall, general contract 3 story and basement, 75 x 230 ft., brick and stone, plain foundation, Dwelly, Slade and Lewis Sts., to J. Mooney, 207 Granite Blk., $154,970; heating and ventilating, to N. Miller & Son, 211 Pocasset St., $32,486. Noted Nov. 3.

Mass., Lynn—CHURCH—Church of Holy Family, 21 Bessom St., 1 story and basement, brick and stone, plain foundation, Bessom St., to H. F. McCarthy, 5 Stuart St., Watertown. Archts. est. $150,000. Noted Oct. 20.

Mass., Wellesley (br. Boston)—AUDITORIUM—Dana Hall School, H. T. Cooke, pres., 66 Grove St., 2 story, 60 x 100 ft., brick and steel, plain foundation, Grove St., to H. H. Hawkins & Sons, 238 Washington St., Newton, $150,000. Noted Aug. 4.

N. Y., Oyster Bay—SCHOOL—Bd. Educ., general contract 3 story and basement, 193 x 250 ft., brick, plain foundation, to Zerbe Constr. Co., 1133 Bway., New York City, $493,000; heating to J. E. Curley, Seacliff, $75,840, and plumbing to J. D. Duffy, Inc., 303 East 23rd St., New York City, $25,468. Grand total $594,308. Noted Sept. 22.

N. Y., Syosset—CONVENT—E. G. Perrot, archt, 130 West 42nd St., New York City, general contract 5 story, brick, steel and stone, to G. F. Driscoll Co., 548 Union St., Brooklyn, for Sisters of Mercy, 273 Willoughby Ave., Brooklyn. Archts. est. $700,000. Noted Aug. 11.

Federal Government Work

Bids Desired

Me., **Caribou**—Post Office—Nov. 29, by Treas. Dept., at office Supervising Archt., Wash., D. C., U. S. Post Office, here.

N. Y., **Brooklyn**—Chimney Extension—Nov. 23, by Bureau Yards & Docks, Navy Dept., Wash., D. C., extension to chimney at Naval Medical Supply Depot, here. Noted Nov. 10.

N. Y., **Brooklyn** — Sprinkler System — Spec. 5418—Nov. 30, by Bureau Yards & Docks, Navy Dept., Wash., D. C., extending automatic dry-pipe sprinkler system at Navy Yard, here; adv. E. N.-R. Nov. 17.

Pa., **Pittsburgh**—Bear Trap Leaves—Dec. 7, by U. S. Engineer Office, 2 sets bear trap leaves for Lock 6, Ohio River; adv. E. N.-R. Nov. 17.

Va., **Norfolk** — Bulkhead — Dec. 9, by U. S. Engineer Office, furnishing and placing rip rap stone and brush fascines for repairing Craney Island bulkhead, Norfolk Harbor, here; adv. E. N.-R. Nov. 17.

Ga., **Savannah**—Hospital—Dec. 19, by Treas. Dept., at office superv. architect, U. S. marine hospital, here.

Ky., **Dawson Springs**—Boilers—Nov. 22, by U. S. Veterans Bureau, Arlington Bldg., Wasah., D. C., 4 horizontal tubular boilers for U. S. Veterans Hospital 79, Outwood, here.

O., **Cleveland** — Hospital — Dec. 23, by Treas. Dept., at office Supervising Archt., Wash., D. C. construction and mechanical equipment for main building U. S. Marine Hospital, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Nov. 17.

Ore., **Portland**—Hospital—Dec. 29, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing buildings and utilities, etc., at U. S. Veterans Hospital, here. Noted Apr. 1, 1926.

Calif., **San Diego**—Distributing System—Spec. 5497—Dec. 7, by Bureau Yards & Docks, Navy Dept., Wash., D. C., distributing system at Naval Operating Base (Hospital), here. Noted Nov. 10.

Contracts Awarded

N. H., **Portsmouth** — Elevator — Treas. Dept., at office Supervising Archt., Wash., D. C., 1 passenger elevator in U. S. Post Office and Custom House, here, to Haughton Elevator & Machine Co., 200 Vermont Bldg., Wash., D. C., $4,811. Noted Nov. 3.

N. H., **Portsmouth**—Remodelnig—Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here, to A. J. Ross, 120 High St., Boston, Mass., $12,975. Noted Oct. 13.

Mass., **Woods Hole**—Chemistry Laboratory—U. S. Bureau Fisheries, altering 2 story chemistry laboratory, to T. Kelleher, Sandwich.

N. J., **Lakehurst**—Bearings—Spec. 5525—Bureau Yards & Docks, Navy Dept., Wash., D. C., replacing bearings on hangar doors, Naval Air Station, here, to Bethlehem Steel Co., Bethlehem, Pa., $20,700. Noted Nov. 10.

N. J., **Oceanport**—Barracks—Constructing Quartermaster, Fort Monmouth, medical detachment barracks, at Fort Monmouth, here, to Hughes Foulkrod Co., Commonwealth Bldg., Phila., Pa., $26,500 (180 days).

Pennsylvania—Dredging—U. S. Engineer Office, Phila., Pa., dredging in Delaware River, on Marcus Hook and Bellevue Ranges, to Amer. Dredging Co., 208 Chestnut St., Phila., $307,800. Noted Nov. 3.

D. C., **Wash.**—Excavating—Treas. Dept., at office Supervising Archt., excavating for portion Internal Revenue Building and for Commerce Building, to W. F. Brenzier Co., 101 New York Ave., N. E., $10,400 and $14,250 respectively. Noted Nov. 17.

Tenn., **Memphis**—Refrigerating Plant—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., refrigerating plant at U. S. Veterans Hospital, here, to Frick Co. Inc., Waynesboro, $5,400. Noted Nov. 10.

O., **Akron**—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., U. S. post office, here, to A. Blair, 11 South Lawrence St., Montgomery, Ala., $449,254. Noted Oct. 27.

O., **Dayton**—Electrical Distributing System—Constructing Quartermaster, Wright Field, electrical distributing system for power plant laboratory building, here, to C. M. Kilsen & Co., Inc., Dayton, $35,906.

Mo., **St. Louis**—Radio Transmitters and Receivers—U. S. Engineer Office, 3 radio transmitters and receivers, here, to General Electric Co., Schenectady, N. Y., $9,132.

Utah, **Salt Lake City**—Earthwork—Bureau Reclamation, earthwork, etc. Echo Dam, to A. Guthrie & Co., Sherlock Bldg., Portland, Ore., $1,125,097; and relocating tracks of Park City branch, Union Pacific R.R. and Lincoln Highway, to Utah Constr. Co., McIntyre Bldg., Salt Lake City, $386,-969. Noted Sept. 22.

Wash., Fort Lewis — Barracks — Constructing Quartermaster, 1 two company barracks, rein.-con., to Sheble & Snyder, Inc., Seaboard Bldg., Seattle, $138,100. Noted Sept. 29.

Wash., Fort Lewis — Hospital — Constructing Quartermaster, constructing hospital at Fort Lewis, here, to A. F. Mount, Seattle, $112,249. Noted Nov. 17.

Calif., **Palo Alto**—Streets and Sidewalks—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing 38,000 sq.ft. concrete sidewalks, to M. D. Dutcher, Jr., Livermore, $6,422; resurfacing 11,500 sq. yd. road, to E. Lynn, P. O. Box 537, Menlo Park, $9,200, and curbing, guttering, sidewalks and surface drains, to W. J. Taylor, 640 Turk St., San Francisco, $19,106. Grand total $34,727.

Unclassified

Proposed Work

Memorial Flagstaff—New Haven, Conn.—City, Bd. Park Comn., making plans bronze flagstaff, 90 ft. high and 35 ft. wide at base, with granite and marble base. $30,-000. D. Orr, 956 Chapel St., engr.

Base Ball Park — Indianapolis, Ind. — Indianapolis Base Ball, J. A. Perry, pres., 1235 West Washington St., having preliminary plans prepared by D. A. Bohlen & Son, 1001 Majestic Bldg., base ball park, rein.-con. and steel, 17,500 seating capacity, Keystone and East New York Sts. $500,000.

Oil Pipe Line—Pecos, Tex.—United Producers Pipe Line Co., plans 425 mi. 10 in. trunk line, from Pecos Co. to ship channel at Houston, 30,000 to 40,000 daily capacity. $12,500,000. Engineer not announced.

Bids Desired

Golf Club and Course — New Haven, Conn.—H. M. Woolsey, engr., 5 East 57th St., New York, N. Y., taking bids 2 story, 50 x 110 ft., incl. wing, club building R. D. Pryde, Race Brook, Orange, will build golf course at Fair Haven, near here, for city. Engrs. est. $100,000.

Subway—Long Island City, N. Y.—Dec. 9, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, 1st section of new subway system at the junction of the line from 53rd St., Manhattan, with the Queens and Brooklyn crosstown lines.

Core Borings—St. George, N. Y.—Nov. 25, by A. Goldman, comr. Plant & Structures, Municipal Bldg., New York City, core borings on site of proposed Fresh Kills Bridge, Richmond Ave., here.

Heating, Plumbing, etc.—Jackson, Miss.—Nov. 21, by State Hospital Removal, Improvement & Land Sale Comn., New Capitol, R. L. Brown, secy., heating, plumbing and wiring for 3rd group buildings for State Insane Hospital. Noted Nov. 3 under "Buildings—Commercial."

Lighting System—Porter, Ind.—Nov. 22, by Bd. Town Trustees, Town Hall, street lighting system for use and benefit all property, streets, roadways and lots within boundaries Dune Forest. G. W. Dabbert, town clk.

Test Holes—Evansville, Ind.—Nov. 29, by J. D. Williams, dir. State Hy. Comn., Idianapolis, boring 32 test holes, totalling approximately 2,600 lin.ft. rock and earth borings for foundations of bridge over Ohio River, in Henderson Co., Kentucky, near here, Contr. 179.

Electric Light System—Arnette, Okla.—Nov. 22, by R. Shields, city clk., 10 mi. 13,200 volt electric line and distribution system. $25,000. C. V. Word, Arnette, engr.

Lighting System — Alhambra, Calif. — R. B. Wallace, city clk., taking bids ornamental lighting system on Electric and Bushnell Aves., etc. To exceed $25,000.

Lighting System—Beverly Hills, Calif.—B. J. Firminger, city clk., taking bids ornamental lighting system on portions Rigedale Dr., etc. To exceed $25,000.

Contracts Awarded

Golf Club and Course — New Haven, Conn.—See "Bids Desired."

Storage Sheds—Waterford, N. Y.—A. W. Brandt, comr. Highways, Albany, storage sheds, here, to S. A. Scullen, Inc., Cohoes, $33,177. Noted Oct. 27.

Station Finish—Phila., Pa.—Dept. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., station finish for Erie, Hunting Park, Wyoming, Logan and Olney St. Stations, for Broad Street Subway, Contr. 183, to Kaufman Constr. Co., Penna Bldg., $243,-328. Noted Nov. 3.

Transmission Line — Texas — Central Power & Light Co., c/o Frost Bldg., San Antonio, transmission line from Victoria to Port Lavaca, also branch from Placedo to Bloomington, approximately 42 mi., to L. E. Myers Constr. Co., 53 West Jackson St., Chicago, Ill., approximately $70,000.

Culverts—California—See "Bridges."

Lighting System—Los Angeles, Calif.—Ornamental lighting system on Lankershim Blvd. between Hatteras and 3rd Sts., to Newbery Electric Co., 726 South Olive St., $44,380.

Materials

Proposed Work

Quarrying and Rock Preparation Machinery—Cleveland, O.—Standard Asphalt Corp., Keith Bldg., desires catalogs from manufacturers of quarrying and rock preparation machinery.

Bids Desired

Brick and Pipe—Providence, R. I.—Nov. 21, by Bd. Contr. and Supply, furnishing hard body and commercial building, brick, hard burned sewer brick, cast iron water pipe (various sizes), for Dept. Pub. Wks., to exceed $5,000. J. E. Dunn, City Hall, chn.

Gasoline—Long Island City, N. Y.—Nov. 23, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 50,000 gal. gasoline to Bureau Street Cleaning; 5,000 lin.ft. hose (rubber covered) and 50,000 ft. fire hand weld 15/32 in. skid chain.

Bridge Lumber—Harlan, Ia.—Nov. 22, at office Auditor Shelby Co., 225,800 ft. bridge lumber, 28,400 ft. treated southern yellow pine lumber and 3,200 ft. corrugated metal pipe. L. Martin, Harlan, co. engr.

Bridge Lumber—Logan, Ia.—Nov. 22, by Auditor Harrison Co., 20 cars bridge lumber and piling. T. A. Cherry, Logan, co. engr.

Sand—Sacramento, Calif.—H. G. Denton, city clk., taking bids 2,000 tons sand for filter beds at filtration plant.

Bridge Lumber—Logan, Ia.—Nov. 22, by Auditor Harrison Co., 20 cars fir bridge lumber and piling. T. A. Cherry, Logan, co. engr.

Contracts Awarded

Gravel—Meridian, Miss.—See "Streets and Roads."

Cast Iron Pipe—Amarillo, Tex.—City, c/o J. D. Bartlett, mayor, 15,000 ft. 6 in. and 600 ft. 4 in. c.i. pipe, to Amer. Cast Iron Pipe Co., Praetorian Bldg., Dallas, $9,946. Noted Oct. 27 under "Waterworks."

Pipe—San Bernardino, Calif.—City, to Pacific States C.I. Pipe Co., 417 South Hill St., Los Angeles, 10,000 ft. 4 in. Class 250 c.i. pipe with lead joints, 12 ft. lengths, asphaltum coated, at $0.397 per ft., 10,000 ft. 6 in. $0.58; also to Amer. C.I. Pipe Co., 412 West 6th St., Los Angeles, 5,000 ft. 8 in. $0.89, and 5,000 ft. 12 in. $1.535, etc.

Steel Tie Plates and Rails — Montreal, Que.—Canadian Natl. Ry., 230 St. James St., 10,000 tons steel tie plates and 7,000 tons rails, to Dominion Iron & Steel Co., Sydney, N. S.

Fuel Oil—Boston, Mass.—Supply Dept., heavy fuel oil to various depts., to City Service Refining Co., 209 Washington St., at $0.041 per gal., and to Dorchester Court House, to Petroleum Heat & Power Co., $0.044; also light fuel oil to various depts., to New England Oil Refining Co., 141 Milk St., $0.0625. Noted Oct. 6.

See proposal advertising on page 124

Constr. News page 257

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Analysis of Bids on Bridge River Power Tunnel
British Columbia

NINE contractors submitted estimates on the Bridge River power tunnel for the British Columbia Electric Railway Co., Ltd., of Vancouver, and the spread between the low and high bids was only 34 per cent. The contract was awarded on Oct. 1 to the Pacific Engineers, Ltd., Vancouver, with which is associated The Henry & McFee Construction Co., of Seattle, for $1,249,530, which amounts to $94.66 per lin.ft. Time of completion is given as August, 1930. E. E. Carpenter is consulting engineer.

This is part of the Bridge River Project, the initial stage of which includes the development of 45,000 kva. and its transmission to Vancouver. The site of the tunnel lies 150 miles northeast of that city and is reached by the Pacific Great Eastern Ry., which passes the powerhouse site. The tunnel is 12,618 ft. long.

The tunnel must be built entirely from two headings. The Seton portal (or south portal) lies 2,000 ft. from and 1,200 ft. higher than the railway station at the powerhouse site, with which it is connected by an inclined tramway with hoist for transporting supplies for the tunnel work. The Bridge River portal (or north portal) lies eight miles by roadway from the Bridge River railway station. All supplies for the north portal must be hauled over this roadway, which crosses the Mission Mountain summit 3,000 ft. above the powerhouse site.

The company will unload, store and handle all the contractor's materials from railway cars at Bridge River station, and haul them up the tramway to the Seton portal and over the mountain to the Bridge River portal. The company will also furnish electric power, lumber, cement, sand and gravel, at both portals. These services will be charged for at the following rates:

Electric power, per kw.-hr.	$0.02
Unloading, storing, handling and forwarding miscellaneous supplies other than lumber, cement, sand and gravel, per 100 lb.	.10
Loading and hauling by motor truck to Bridge River portal miscellaneous supplies other than lumber and cement, per 100 lb.	.25
Lumber:	
F. o. b. Seton portal, per M. ft., b. m.	32.00
F. o. b. Bridge River portal, per M. ft., b. m.	36.00
Cement, Canadian Standard:	
F. o. b. Seton portal, per bbl.	5.00
F. o. b. Bridge River portal, per bbl. (Rebates for sacks, 20 cents each)	5.60
Sand and Gravel:	
F. o. b. tramcar at Seton portal, cu.yd.	2.75
At Bridge River portal the contractor must obtain his own sand and gravel from the river bars.	

ONE type or section will be employed throughout in excavating the main tunnel bore. Several types of lining may be used, depending upon the location and nature of the rock encountered. The cross section of the excavated bore is approximately equivalent to a circle 12 ft. in diameter. The shape is generally a horseshoe section, and the types contemplated in the contract are as follows:

Type	Description	Length Lin.Ft.
R	Untimbered and unlined rock section	4,668
S	Untimbered and lined horseshoe section	850
T	Untimbered and lined circular section	300
U	Timbered and lined horseshoe section	5,200
V	Timbered and lined circular section	
	(a) Plain concrete lining	1,100
	(b) Reinforced concrete lining	500
	Total length	12,618

THE table of unit prices shows the lowest bidder estimated as follows on the major groups: excavation, $674,056; concrete lining, $344,720; grout and grouting, $70,000; concrete for intake tower, $67,904; permanent timbering, $62,250; reinforcing steel, $30,600. The unit prices of the nine bidders average as follows for the principal items:

Excavation	
11,000 cu.yd. open cut, common	$1.51
7,300 cu.yd. open cut, rock	4.47
12,618 lin.ft. main tunnel	52.98
Concrete	
3,200 cu.yd., intake tower	22.64
11,800 cu.yd., main tunnel	23.47
3,500 cu.yd. grout and grouting	24.85
Reinforcing steel, 600,000 lb.	.065
Timbering, permanent, 750 M. ft., b.m.	83.20

THE difference between the total bids of the lowest bidder and the next to the lowest is $87,084. Excavating the main tunnel is the largest single item, and the spread here between low and next to low is $119,300. The highest bid on excavating the main tunnel is 60 per cent more than the lowest.

Lining the main tunnel is next to the largest item, and five of the bids were under the low bidder's $301,844, and the highest bid was only 14 per cent above this.

Summary of Bids—Bridge River Tunnel, British Columbia

	Item	Quantities	Pacific Engineers, Ltd., and Henry & McFee Contr. Co. Assoc.	The Dredging Contractors, Ltd.	The Utah Construction Co.	A. Guthrie & Co., Inc.	Fraser, Frew & Dryer, Ltd., and A. D. Creer	Stuart Cameron & Co., Ltd.	Youdall Construction Co.	Sydney E. Junkins Co., B. C., Ltd.	Northern Construction Co., Ltd. and J. W. Stewart
1.	Ex. open cut at Bridge River intake:										
	a. Common	11,000 cu.yd.	1.24	1.50	1.50	1.00	2.00	2.25	2.15	2.00	0.87
	b. Rock	7,300 cu.yd.	5.62	5.65	3.00	3.00	4.00	4.60	3.60	5.00	5.75
2.	Ex. entrance section	1,250 cu.yd.	8.72	10.00	10.00	15.25	12.00	12.45	15.40	14.00	7.20
3.	Ex. main tunnel	12,618 ft.	43.60	52.50	52.00	63.00	66.00	60.00	69.00	70.00	67.30
4.	Ex. surge chamber	1,850 cu.yd.	10.00	11.00	10.00	15.25	15.00	13.55	16.20	14.40	13.98
5.	Ex. surge chamber shaft:										
	a. Timbered	245 ft.	26.16	28.20	60.00	70.00	200.00	49.50	110.00	65.00	50.00
	b. Untimbered	50 ft.	26.16	23.00	40.00	40.00	200.00	40.00	91.00	55.00	50.00
6.	Ex. open cut at surge chamber shaft head:										
	a. Common	50 cu.yd.	0.98	1.50	1.00	1.00	4.00	0.83	2.00	1.00	0.87
	b. Rock	30 cu.yd.	1.96	5.00	2.00	5.00	10.00	3.50	5.00	1.50	5.18
7.	Ex. Penstock Tunnel:										
	a. Timbered	243 ft.	100.00	60.00	70.00	90.00	70.00	71.86	93.70	90.00	86.25
	b. Untimbered	50 ft.	90.00	55.00	62.00	80.00	70.00	67.00	80.00	81.00	76.00
8.	Ex. open cut at Seton Portal:										
	a. Common	500 cu.yd.	0.92	1.50	1.00	1.00	2.00	0.83	2.30	1.00	0.87
	b. Rock	2,000 cu.yd.	1.38	5.25	2.00	2.50	4.00	3.50	4.50	1.50	5.18
9.	Permanent timbering	750,000 f.b.m.	83.00	61.00	66.00	70.00	68.00	122.40	98.00	100.00	80.50
10.	Concrete for intake tower	3,200 cu.yd.	21.22	21.30	24.00	20.00	18.00	24.68	22.80	23.00	28.75
11.	Conc. lining for entrance section	500 cu.yd.	24.36	26.50	22.00	22.00	18.00	27.90	25.30	28.80	26.25
12.	Conc. lining for main tunnel	11,800 cu.yd.	25.58	22.10	27.00	21.00	15.00	22.40	21.60	27.55	29.00
13.	Conc. lining for surge chamber	650 cu.yd.	25.58	22.10	22.00	24.00	18.00	25.46	26.00	27.40	26.75
14.	Conc. lining for surge chamber shaft and shaft head	550 cu.yd.	25.58	22.10	30.00	22.00	18.00	25.46	28.00	26.40	27.60
15.	Grout and grouting	3,500 cu.yd.	20.00	27.50	35.00	21.00	23.00	25.00	20.00	20.00	32.20
16.	Reinforcing steel	600,000 lb.	0.051	0.06	0.06	0.065	0.10	0.066	0.07	0.048	0.065
	Totals (in thousands of dollars 000 omitted)		$1,250	$1,337	$1,412	$1,451	$1,472	$1,505	$1,597	$1,653	$1,678

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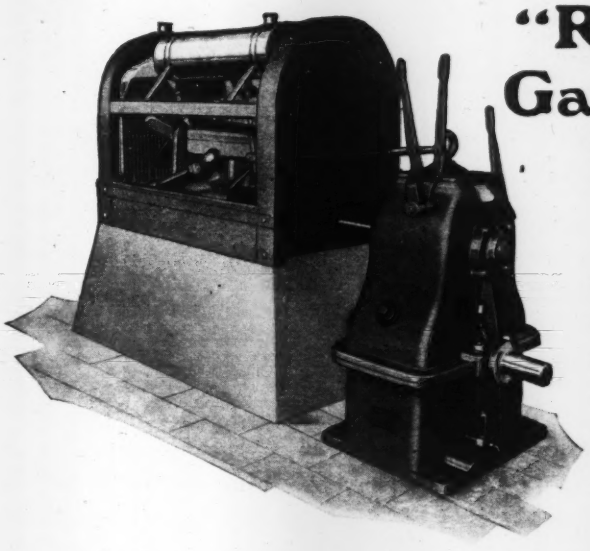
UNIT PRICES *Continued on page 258A*

RODNEY HUNT
RODNEY HUNT MACHINE CO.
ORANGE, MASS.
U. S. A.

"W C A" Broadcast
Water Controlling Apparatus



"Rodney Hunt" Gasoline Engine Gate Hoists

Meet the power need of isolated installations. Illustrations show part of equipment of a large canal headworks and sluiceway in Texas.

When electric motors are not available and loads are too great for manual power the "Rodney Hunt" Gasoline Power Units meet the requirements.

"Rodney Hunt" apparatus meets rigid inspection tests.

You will do well to ask for Catalog W.C.A. No. 32 when writing for further data

RODNEY HUNT MACHINE COMPANY

Sluice Gates—Sluice Valves—Floor Stands—Hoists—Penstocks, Turbine Water Wheels

Main Office and Works, 79 Lake Street, Orange, Mass.

RODNEY HUNT

The Experience of 50 Years is of Value to You

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Sewer—Detroit, Mich.

Bids were opened by City, July 20, (lowest four and highest) for constructing Detroit River Interceptor, Sect. 4, tunnel construction, from (A) S. A. Healy, 1007 American State Bank, (awarded contract); (B) Julius Porath & Son, 909 Transportation Bldg.; (C) Lennane & McIlvenna, 7177 West Chicago Blvd.; (D) Jeynes & Son; (E) George R. Cooke Co. The unit bids are as follows:

	A	B	C	D	E
3,894 ft. 12 ft. 3 in. cylindrical sewer	$75.00	$77.00	$79.00	$85.00	$97.00
33 ft. junction chamber at Boulevard	300.03	200.00	303.03	151.52	21,000.00*
90 ft. special section at Helen Avenue	200.00	250.00	166.67	111.12	45,000.00*
20 ft. special section at Mt. Elliott Avenue	200.00	200.00	500.00	150.00	18,000.00*
5 standard manholes	200.00	400.00	100.00	200.00	350.00
Totals	$324,950	$334,938	$343,126	$349,990	$463,468

*Lump sum bid.

Engineering News-Record, Issue of November 17, 1927.

Road—Nevada

Bids were opened by Department of Highways, Carson City, Aug. 17, (lowest three) for constructing 8.35 mi. gravel surface highway, 18 ft. wide, 6½ in. thick, in Douglas and Ormsby Counties, F. A. P No. 99, from (A) Nevada Rock & Sand Co., Reno, (awarded contract); (B) Fred Coolidge, Reno; (C) Dodge Bros., Inc., Fallon. The unit bids are as follows:

	A	B	C
75,000 cu.yd. excav. unclass.	$0.29	$0.40	$0.38
204,309 yd. sta. overhaul	.02	.02	.04
6.35 mi. prepare subgrade and shoulders	75.00	75.00	100.00
18,200 cu.yd. gravel surface complete in place	1.80	2.25	2.00
124 cu.yd. Class "A" conc.	35.00	34.00	40.00
32 cu.yd. Class "B" conc.	35.00	34.00	40.00
526 lin.ft. installing 18-in. corr. metal pipe	.80	.50	.75
310 lin.ft. installing 24-in. corr. metal pipe	.96	.50	.75
82 lin.ft. installing 30-in. corr. metal pipe	1.10	.50	.75
26 monuments	4.00	3.00	5.00
25 cu.yd. rip rap	12.00	5.00	4.00
1,800 lin.ft. woven wire guard fence	.90	.62	1.00
37,930 lin.ft. remove and reset fence	.10	.05	.05
Furnishing watering equipment (lump sum)	1,500.00	300.00	500.00
1,276 M.gal. applying water	1.50	2.05	2.00
Totals	$73,719	$87,100	$87,314

Engineering News-Record, Issue of November 17, 1927.

Road—Minnesota

Bids were opened by State Highway Department, St. Paul, Aug. 16 (lowest three and highest), for constructing State Project No. 63-22, Divs. B and D, F. A. P. 383, north and south of New Brighton, Ramsey Co., from (A) Hanlon & Oakes, 1501 Merchandise Natl. Bank Bldg., St. Paul; (B) C. F. Sculley Equipment Co.; (C) Nolan Bros.; (D) S. J. Groves & Son. The unit bids are as follows:

	A	B	C	D
3,671 cu.yd. fine grading	$1.00	$0.50	$0.40	$0.30
118,091.5 sq.yd. 1 course conc. pavement, Class A	.....	.....	1.35	.....
118,091.5 Class B	1.24	1.28	.....	1.57
118,091.5 Class C	1.25	1.28	.....	1.57
8,124 lin.ft. sloping	.10	.10	.10	.09
67.5 lin.ft. surface drain	1.00	1.00	1.75	1.50
13 surface drain basins	35.00	25.00	35.00	35.00
For filling washouts and widening road bed 3,671 cu.yd. loading	.20	.40	.22	.20
11,569 cu.yd. mi. hauling	.28	.25	.20	.20
Totals	$155,413	$158,558	$165,400	$190,840

Engineering News-Record, Issue of November 17, 1927.

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Sewer—Calumet City, Ill.

Bids were opened by City, Apr. 20, (lowest three) for constructing storm and sanitary sewers, from (A) Public Construction Co., Hammond, Ind., (awarded contract); (B) Ahlborn & Laveen, Hammond, Ind.; (C) Subway Engineering Co., 115 South Dearborn St., Chicago. The unit bids are as follows:

	A	B	C
1,280 lin.ft. 7x7½ ft. culvert	$31.00	$33.50	$30.00
700 lin.ft. 7x7½ ft. culvert	40.00	47.50	49.00
1,525 lin.ft. 9 ft. rein. conc. pipe	73.00	70.00	68.00
1,330 lin.ft. 78 in.	54.00	55.00	57.00
5,330 lin.ft. 72 in.	48.00	52.00	51.50
1,390 lin.ft. 66 in.	42.00	40.00	43.50
4,190 lin.ft. 60 in.	37.50	37.75	40.00
2,840 lin.ft. 54 in.	34.00	35.00	35.25
2,450 lin.ft. 48 in.	28.00	30.00	29.25
6,785 lin.ft. 42 in.	22.00	23.75	24.50
2,200 lin.ft. 36 in.	19.00	18.00	21.75
1,350 lin.ft. 33 in.	16.00	15.00	17.00
330 lin.ft. 27 in.	11.00	10.00	10.75
1,700 lin.ft. 30 in.	13.00	12.00	14.00
733 lin.ft. 24 in. vitr. tile pipe	9.00	8.50	10.00
752 lin.ft. 22 in.	8.00	6.90	9.00
330 lin.ft. 20 in.	7.00	6.00	8.00
1,970 lin.ft. 18 in.	6.50	5.00	7.00
1,550 lin.ft. 15 in.	4.50	3.95	5.00
1,500 lin.ft. 8 in.	1.50	2.00	1.40
54 catch basins	120.00	140.00	110.00
22 conc. manholes	120.00	170.00	110.00
4 conc. manholes	320.00	400.00	310.00
6 conc. manholes	170.00	200.00	157.50
5 conc. manholes	245.00	275.00	240.00
14 conc. manholes	220.00	250.00	210.00
4 conc. manholes	160.00	200.00	150.00
11 conc. manholes	155.00	175.00	150.00
7 conc. manholes	150.00	165.00	148.00
6 conc. manholes	145.00	150.00	144.00
20 conc. manholes	140.00	150.00	139.00
8 conc. manholes	130.00	100.00	129.00
5 conc. manholes	125.00	90.00	124.00
Junction chamber	1,140.00	1,650.00	1,150.00
Junction chamber	370.00	500.00	380.00
1,750 sq.yd. brick pavement	2.00	2.10	1.90
150 sq.yd. rein. conc. pavement	3.00	2.95	3.00
2,790 lin.ft. curb and gutter	1.00	.95	1.00
1,200 lin.ft. conc. walk	.30	.28	.30
500 lin.ft. 6 in. house drains	1.00	1.10	1.00
Pump building (lump sum)	31,537.65	37,890.00	34,750.00
2-15,000 gal. centrifugal pumps	8,000.00	8,250.00	7,850.00
Removing two 5,000 gal. electric pumps	4,070.00	4,310.00	4,000.00
1 conc. headwall	381.00	390.00	380.00
1,525 lin.ft. conc. cradle	1.50	1.55	1.50
1,330 lin.ft. conc. cradle	1.00	1.45	1.00
5,330 lin.ft.	.80	.95	.90
1,390 lin.ft.	.70	.85	.80
4,190 lin.ft.	.60	.75	.75
2,840 lin.ft.	.55	.65	.70
2,450 lin.ft.	.50	.60	.65
6,785 lin.ft.	.45	.55	.60
2,210 lin.ft.	.35	.52	.55
Totals	$1,270,289	$1,320,036	$1,345,978

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Dredging 25,000 cu.yd. at 52nd St., Brooklyn, N. Y., @ 29.5c.; 12,000 cu.yd. at Gansevoort Market piers, North River, @ 43c.; 48,880 cu.yd. at Washington St. pier, East River, Brooklyn, and 12,600 cu.yd. in North River, New York City, 29.25c.

Excavation, Carrollton, Ill., 204,717 cu.yd. open ditch, 10.5c.

Concrete canal lining, Merced Irrigation District, Calif., 625,136 sq.ft., 6.5c.

Gas mains, Oklahoma, 22,000 ft., 6 in., $1.43.

Asphaltic oil for Trenton, N. J., 26,550 gal., low bid, 15.13c.

Welded steel pipe, bell and spigot, Los Angeles, Calif., 60,000 ft. @ $55.85 per 100 ft.